

GenCore version 4.5  
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## OM protein - protein search, using sw model

Run on: September 4, 2002, 08:34:54 ; Search time 110.07 Seconds  
(without alignments)  
1189.577 Million cell updates/sec

Title:

US-09-119-209-2

Sequence:

1 MIFPMKCSTQDMLNIFKL.....WLARLLKKGKSGSMNDPY 372

Scoring table:

BLOSUM62  
Gap 10.0, Gapext 0.5

Searched: 3502263 seqs, 351980561 residues

Total number of hits satisfying chosen parameters: 3502263

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database:

Pending\_Patents\_AA\_Main:\*

1: /cgn2\_6/ptodata/2/paa/US086\_COMB.pep:\*

2: /cgn2\_6/ptodata/2/paa/US087\_COMB.pep:\*

3: /cgn2\_6/ptodata/2/paa/US088\_COMB.pep:\*

4: /cgn2\_6/ptodata/2/paa/US089\_COMB.pep:\*

5: /cgn2\_6/ptodata/2/paa/US090\_COMB.pep:\*

6: /cgn2\_6/ptodata/2/paa/US091\_COMB.pep:\*

7: /cgn2\_6/ptodata/2/paa/US092\_COMB.pep:\*

8: /cgn2\_6/ptodata/2/paa/US093\_COMB.pep:\*

9: /cgn2\_6/ptodata/2/paa/US094\_COMB.pep:\*

10: /cgn2\_6/ptodata/2/paa/US095\_COMB.pep:\*

11: /cgn2\_6/ptodata/2/paa/US096\_COMB.pep:\*

12: /cgn2\_6/ptodata/2/paa/US097\_COMB.pep:\*

13: /cgn2\_6/ptodata/2/paa/US098\_COMB.pep:\*

14: /cgn2\_6/ptodata/2/paa/US099\_COMB.pep:\*

15: /cgn2\_6/ptodata/2/paa/US100\_COMB.pep:\*

16: /cgn2\_6/ptodata/2/paa/US101\_COMB.pep:\*

17: /cgn2\_6/ptodata/2/paa/US102\_COMB.pep:\*

18: /cgn2\_6/ptodata/2/paa/US103\_COMB.pep:\*

19: /cgn2\_6/ptodata/2/paa/US104\_COMB.pep:\*

20: /cgn2\_6/ptodata/2/paa/US105\_COMB.pep:\*

21: /cgn2\_6/ptodata/2/paa/US106\_COMB.pep:\*

22: /cgn2\_6/ptodata/2/paa/US107\_COMB.pep:\*

23: /cgn2\_6/ptodata/2/paa/US108\_COMB.pep:\*

24: /cgn2\_6/ptodata/2/paa/US109\_COMB.pep:\*

25: /cgn2\_6/ptodata/2/paa/US110\_COMB.pep:\*

26: /cgn2\_6/ptodata/2/paa/US111\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	2116	100.0	372	15	US-09-119-209-2
2	2094	99.0	382	21	US-09-760-475-2123
3	2090	98.8	372	1	PCT-US01-26675-3
4	2076	98.1	385	1	PCT-US92-03970-2
5	2076	98.1	385	1	PCT-US94-00909-2
6	2076	98.1	385	4	US-08-008-459-2
7	2076	98.1	385	7	US-08-340-539-2

8 2076 98.1 385 8 US-08-410-569-2

9 1883 89.0 1078 26 US-60-212-659-523

10 1879 88.8 1078 26 US-60-207-315-428

11 1879 88.8 1078 26 US-60-230-435-1751

12 1807 85.4 341 21 US-09-758-449-1158

13 1807 85.4 341 21 US-09-760-443-1328

14 1651 78.0 372 15 US-09-119-209-4

15 999 47.2 184 21 US-09-760-475-1437

16 999 47.2 184 21 US-09-760-475-3252

17 905 42.8 830 8 PCT-US94-09393-4

18 905 42.8 830 8 US-08-449-687B-4

19 905 42.8 830 24 US-10-020-141-10

20 898 42.4 700 26 US-60-207-315-467

21 862 40.7 610 1 PCT-US99-28965-19

22 862 40.7 610 10 US-08-557-753-2

23 862 40.7 610 11 US-08-770-435-3

24 862 40.7 610 16 US-09-266-091-2

25 862 40.7 610 16 US-09-266-091A-2

26 862 40.7 610 21 US-09-784-356-122

27 862 40.7 610 22 US-09-802-640-36

28 862 40.7 610 22 US-09-857-670-19

29 862 40.7 610 24 US-10-021-660-122

30 666 31.5 119 26 US-60-160-189-8687

31 666 31.5 119 26 US-60-169-867-5823

32 645 30.5 119 26 US-60-160-203-5003

33 645 30.5 119 26 US-60-169-840-6716

34 586 27.7 116 26 US-60-160-189-10011

35 586 27.7 116 26 US-60-160-203-6200

36 586 27.7 116 26 US-60-169-840-9326

37 586 27.7 116 26 US-60-169-840-7998

38 473 22.4 196 21 US-09-760-498-916

39 452.5 21.4 129 26 US-60-196-718-4236

40 451.5 21.3 128 26 US-60-195-053-1909

41 451.5 21.3 128 26 US-60-195-053-1908

42 451.5 21.3 128 26 US-60-196-718-4238

43 447.5 21.1 133 26 US-60-196-718-4237

44 416 19.7 112 26 US-60-160-203-3503

45 415.5 19.6 130 26 US-60-196-174-903

## ALIGNMENTS

RESULT 1

US-09-119-209-2

Sequence 2, Application US/09119209

GENERAL INFORMATION:

APPLICANT: LASKY, LAURENCE A.

APPLICANT: STACHELL, SCOTT E.

APPLICANT: ROSEN, STEVEN D.

APPLICANT: SINGER, MARK S.

APPLICANT: YEDNOCK, TED A.

TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winpatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/119,209

FILING DATE: 20-Jul-1998

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/513278

FILING DATE: 10-AUG-1995

Sequence 2, Appl1

Sequence 523, App

Sequence 428, App

Sequence 1751, App

Sequence 1158, App

Sequence 1328, App

Sequence 4, Appl1

Sequence 1437, App

Sequence 3253, App

Sequence 4, Appl1

Sequence 467, App

Sequence 10, Appl

Sequence 19, Appl

Sequence 2, Appl1

Sequence 3, Appl1

Sequence 2, Appl1

Sequence 122, App

Sequence 36, Appl

Sequence 19, Appl

Sequence 122, App

Sequence 8687, App

Sequence 5823, App

Sequence 5003, App

Sequence 6716, App

Sequence 10011, A

Sequence 6200, App

Sequence 9326, App

Sequence 7998, App

Sequence 4236, App

Sequence 1908, App

Sequence 1908, App

Sequence 4238, App

Sequence 4237, App

Sequence 3503, App

Sequence 903, App

? PRIOR APPLICATION DATA: ?  
 ? APPLICATION NUMBER: 08/059027 ?  
 ? FILING DATE: 6-MAY-1993 ?  
 ? PRIOR APPLICATION DATA: ?  
 ? APPLICATION NUMBER: 07/786149 ?  
 ? FILING DATE: 31-OCT-1991 ?  
 ? PRIOR APPLICATION DATA: ?  
 ? APPLICATION NUMBER: 07/315015 ?  
 ? FILING DATE: 23-FEB-1989 ?  
 ? ATTORNEY/AGENT INFORMATION: ?  
 ? NAME: Love, Richard B. ?  
 ? REGISTRATION NUMBER: 34, 659 ?  
 ? REFERENCE/DOCKET NUMBER: P0565D1C3 ?  
 ? TELECOMMUNICATION INFORMATION: ?  
 ? TELEPHONE: 650/225-5530 ?  
 ? TELEFAX: 650/952-9881 ?  
 ? INFORMATION FOR SEQ ID NO: 2: ?  
 ? SEQUENCE CHARACTERISTICS: ?  
 ? LENGTH: 372 amino acids ?  
 ? TYPE: Amino Acid ?  
 ? TOPOLOGY: Linear ?  
 ? ?  
 ? US-09-119-209-2

Query Match	100.0%;	Score 2116;	DB 15;	Length 372;
Best Local Similarity	100.0%;	Pred. No. 1.1e-176;		
Matches 372;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

QY	1	MLPFWKQOSTQROJLWNI	IFKLMGWTML	CDGFLAHNGT	YCMTHYHSEKPMNW	RARFCRD	60
Db	1	MLPFWKQOSTQROJLWNI	IFKLMGWTML	CDGFLAHNGT	YCMTHYHSEKPMNW	RARFCRD	60
QY	61	YTDVLVAIQNAKELEY	EKLTLPFS	RSYTWGIRK	IGGINTWVG	YNKSLTEAE	ENMGDEPN 120
Db	61	YTDVLVAIQNAKELEY	EKLTLPFS	RSYTWGIRK	IGGINTWVG	YNKSLTEAE	ENMGDEPN 120
QY	121	NKRNKEDCEVEITYIKR	RKDGKWNDDACHK	LKRAALCYTAS	COQPMSCSGHGE	VEITINNHTC 180	
Db	121	NKRNKEDCEVEITYIKR	RKDGKWNDDACHK	LKRAALCYTAS	COQPMSCSGHGE	VEITINNHTC 180	
QY	181	NCDEVGYGBOCOLVIO	CEPLEAPBELGTMD	CHHPFNESFS	SQCAFSCSEGNLT	GIETTT 240	
Db	181	NCDEVGYGBOCOLVIO	CEPLEAPBELGTMD	CHHPFNESFS	SQCAFSCSEGNLT	GIETTT 240	
QY	241	CGPFGWSSPEPTCOV	IOCEPLSAPDLG	IMNCSHPLS	FSFTSACPTICE	BGTELGKKR 300	
Db	241	CGPFGWSSPEPTCOV	IOCEPLSAPDLG	IMNCSHPLS	FSFTSACPTICE	BGTELGKKR 300	
QY	301	TICESSGIMSNSP	ICQKILDKS	FSMIKRGDYNPL	FIPAAVWTA	AFSGLATITMLARRLKK 360	
Db	301	TICESSGIMSNSP	ICQKILDKS	FSMIKRGDYNPL	FIPAAVWTA	AFSGLATITMLARRLKK 360	
QY	361	GKRSKRSMDPY	372				
Db	361	GKRSKRSMDPY	372				

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RESULT      2 7 7 2123
US-09-760-475-2123
; Sequence 2123, Application US/09760475
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT749
; CURRENT APPLICATION NUMBER: US/09/760,475
; CURRENT FILING DATE: 2001-01-16
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4122
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2123
; LENGTH: 382
; TYPE: PRT
; ORGANISM: Homo sapiens

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US-09-760-475-2123

Query Match	99.0%;	Score 2094;	DB 21;	Length 382;
Best Local Similarity	99.2%;	Pred. No. 9.9e-175;		
Matches 369;	Conservative 1;	Mismatches 2;	Indels 0;	Gaps 0;

QY	1	MEPMKCSOTJODLNNIFKLMGWTMLCCDFLAHHGYCMTYHNSKPMWQARARPCDN	60
Db	11	MIFFPKCSOTJODLNNIFKLMGWTMLCCDFLAHHGYCMTYHNSKPMWQARARPCDN	70
QY	61	YTDVLAIQKAEIYLELTKTLPFSRSYYWIGIRKIGGIWTVGNSLIEEAEENMGDGEPN	120
Db	71	YTDVLAIQKAEIYLELTKTLPFSRSYYWIGIRKIGGIWTVGNSLIEEAEENMGDGEPN	130
QY	121	NKKNKEDCEYIYIKRNKADAGKWNDDACHIKLKAALCYTASCPWSCSGHECEVEIINMHC	180
Db	131	NKKNKEDCEYIYIKRNKAGKWNDDACHIKLKAALCYTASCPWSCSGHECEVEIINNYTC	190
QY	181	NCDOVYGGPOOLYQCEPLAPBLGMDCTHFGNMFSSSCAARCSBEGNLTGIEET	240
Db	191	NCDOVYGGPOOLYQCEPLAPBLGMDCTHFLGNMFSSSCAARCSBEGNLTGIEET	250
QY	241	CGEFGNWSPEPTQCVIOCEPLAPDLGINNCCHPLASFSFSACTPFCISGTELIJCKKK	300
Db	251	CGEFGNWSPEPTQCVIOCEPLAPDLGINNCCHPLASFSFSACTPFCISGTELIJCKKK	310
QY	301	TTCESGGLWSNPSPIQKLDKSFMSIKEGDYNLPIPAVMYTAFSGLAFTIMLARLKK	360
Db	311	TTCESGGLWSNPSPIQKLDKSFMSIKEGDYNLPIPAVMYTAFSGLAFTIMLARLKK	370
QY	361	GKSKSRSMNDPY 372	
Db	371	GKSKSRSMNDPY 382	

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RESULT 3
PCT-US01-26675-3
; Sequence 3, Application PC/TUS0126675
; GENERAL INFORMATION:
; APPLICANT: Genaisance Pharmaceuticals, Inc.
; APPLICANT: Anastasio, Alison E
; APPLICANT: Blegiecki, Karyn M
; APPLICANT: Kilem, Stefanie E
; APPLICANT: Koshy, Beena
; APPLICANT: Kumar, Anant Madan
; TITLE OF INVENTION: HAPLOTYPES OF THE SELL GENE
; FILE REFERENCE: SELL MMH116-PC*
; CURRENT APPLICATION NUMBER: PCT/US01/26675
; CURRENT FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 60/228,262
; PRIOR FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Homo sapiens
; PCT-US01-26675-3

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Query Match	98.8%;	Score 2090;	DB 1;	Length 372;
Best local Similarity	98.9%;	Pred. No. 2.1e-174;		
Matches 368; Conservative	1;	Mismatches 3;	Indels 0;	Gaps 0

[illegible]

QY 121 NKKKEDCEVEIYIRKNDAGKMNDDACHKLKALCYTASCPWMSCSGHECEVEIINNHTC 180  
DB 121 NKKKEDCEVEIYIRKNDAGKMNDDACHKLKALCYTASCPWMSCSGHECEVEIINNHTC 180  
QY 181 NCDVGYGPOQOLVIOCEPLEAPBLGTMDCTHPGNEFSFSQCAFSCSEGTNLGIEETT 240  
DB 181 NCDVGYGPOQOLVIOCEPLEAPBLGTMDCTHPGNEFSFSQCAFSCSEGTNLGIEETT 240  
QY 241 CGPFGNMSPEPTQVIOCEPLASAPDLGIMNCSPHLASFSTSACTFICSGTELIGKK 300  
DB 241 CGPFGNMSPEPTQVIOCEPLASAPDLGIMNCSPHLASFSTSACTFICSGTELIGKK 300  
QY 301 TICSSGIMSNPSPICOKLDFSMIKEGDYNPLFIPAAVWVTAFSGLAFIIMLARLKK 360  
DB 301 TICSSGIMSNPSPICOKLDFSMIKEGDYNPLFIPAAVWVTAFSGLAFIIMLARLKK 360  
QY 361 GKSKSRMNDPY 372  
DB 361 GKSKSRMNDPY 372

RESULT 4  
PCT-US92-03970-2

Sequence 2, Application PC/TUS9203970

GENERAL INFORMATION:

APPLICANT: Dana-Farber Cancer Institute, Inc.

TITLE OF INVENTION: LEUCOCYTE-ASSOCIATED CELL SURFACE

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes

STREET: Ten Post Office Square

CITY: Boston

STATE: Massachusetts

COUNTRY: U.S.A.

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/03970

FILING DATE: 19920513

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Heine, Holiday C.

REGISTRATION NUMBER: 34,346

REFERENCE/DOCKET NUMBER: DFCI-152Bq9

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 542-2290

TELEFAX: (617) 451-0313

TELEX: 940675

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 385 amino acids

TYPE: AMINO ACID

TOPOLOGY: linear

MOLECULE TYPE: protein

PCT-US92-03970-2

Query Match 98.1%; Score 2076; DB 1; Length 385;  
Best Local Similarity 98.1%; Pred. No. 3.8e-173;  
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPMKQSTQORDLWNTFKLWMTLCCDFLAHGTGWTYHSEKPMNORARFCRDN 60  
DB 14 MIFPMKQSTQORDLWNTFKLWMTLCCDFLAHGTGWTYHSEKPMNORARFCRDN 73  
QY 61 YTDVAIONKAEIETLEKTLFESRSYVWIGIRKIGIWTWGTNKSJLFEAENNGDEPN 120  
DB 74 YTDVAIONKAEIETLEKTLFESRSYVWIGIRKIGIWTWGTNKSJLFEAENNGDEPN 133

QY 121 NKKKEDCEVEIYIRKNDAGKMNDDACHKLKALCYTASCPWMSCSGHECEVEIINNHTC 180  
DB 134 NKKKEDCEVEIYIRKNDAGKMNDDACHKLKALCYTASCPWMSCSGHECEVEIINNHTC 193  
QY 181 NCDVGYGPOQOLVIOCEPLEAPBLGTMDCTHPGNEFSFSQCAFSCSEGTNLGIEETT 240  
DB 194 NCDVGYGPOQOLVIOCEPLEAPBLGTMDCTHPGNEFSFSQCAFSCSEGTNLGIEETT 253  
QY 241 CGPFGNMSPEPTQVIOCEPLASAPDLGIMNCSPHLASFSTSACTFICSGTELIGKK 300  
DB 254 CGPFGNMSPEPTQVIOCEPLASAPDLGIMNCSPHLASFSTSACTFICSGTELIGKK 313  
QY 301 TICSSGIMSNPSPICOKLDFSMIKEGDYNPLFIPAAVWVTAFSGLAFIIMLARLKK 360  
DB 314 TICSSGIMSNPSPICOKLDFSMIKEGDYNPLFIPAAVWVTAFSGLAFIIMLARLKK 373  
QY 361 GKSKSRMNDPY 372  
DB 374 GKSKSRMNDPY 385

RESULT 5  
PCT-US94-00909-2

Sequence 2, Application PC/TUS9400909

GENERAL INFORMATION:

APPLICANT:

TITLE OF INVENTION: CHIMERIC SELECTIONS AS SIMULTANEOUS BLOCKING

NUMBER OF SEQUENCES: 11

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patentin Release #1.0, Version #1.25 (EBO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/00909

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/008,459

FILING DATE: 25-JAN-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/983,606

FILING DATE: 30-NOV-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/962,483

FILING DATE: 02-APR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/770,608

FILING DATE: 03-OCT-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/737,092

FILING DATE: 29-JUL-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/730,503

FILING DATE: 08-JUL-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/700,773

FILING DATE: 15-MAY-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/313,109

FILING DATE: 21-FEB-1989

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 385 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

PCT-US94-00909-2

Query Match 98.1%; Score 2076; DB 1; Length 385;  
Best Local Similarity 98.1%; Pred. No. 3.8e-173;  
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPMKQSTQORDLWNTFKLWMTLCCDFLAHGTGWTYHSEKPMNORARFCRDN 60  
DB 14 MIFPMKQSTQORDLWNTFKLWMTLCCDFLAHGTGWTYHSEKPMNORARFCRDN 73  
QY 61 YTDVAIONKAEIETLEKTLFESRSYVWIGIRKIGIWTWGTNKSJLFEAENNGDEPN 120  
DB 74 YTDVAIONKAEIETLEKTLFESRSYVWIGIRKIGIWTWGTNKSJLFEAENNGDEPN 133

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QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGHGTCWTHYSEKPMNORARPCRDN 60
DB 14 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGHGTCWTHYSEKPMNORARPCRDN 73
QY 61 YTDLVAIONKAEIYEKTLPSRSYWTGIRKIGITWVGNKSLTEAEWNGDGEFN 120
DB 74 YTDLVAIONKAEIYEKTLPSRSYWTGIRKIGITWVGNKSLTEAEWNGDGEFN 133
QY 121 NKKNEDECVETIKRNKDGKMNDACHKLKAALCTASCOPWSCGHECVETIINNHC 180
DB 134 NKKNEDECVETIKRNKDGKMNDACHKLKAALCTASCOPWSCGHECVETIINNHC 193
QY 181 NCDVGYGQCQOLVIOCEPLAPDLGIMNCSHPLASFSTACTFTICSEGTGLGKK 240
DB 194 NCDVGYGQCQOLVIOCEPLAPDLGIMNCSHPLASFSTACTFTICSEGTGLGKK 253
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFTICSEGTGLGKK 300
DB 254 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFTICSEGTGLGKK 313
QY 301 TICSSGIMNSPILCOQKLDKSFMSIKEDYNPLFIPVAVMTAFSGLAFTIILARLTK 360
DB 314 TICSSGIMNSPILCOQKLDKSFMSIKEDYNPLFIPVAVMTAFSGLAFTIILARLTK 373
QY 361 GKSKRSMDPY 372
DB 374 GKSKRSMDPY 385

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# RESULT 6

US-08-008-459-2

Sequence 2, Application US/08008459

GENERAL INFORMATION:

APPLICANT: Tedder, Thomas F.

APPLICANT: Kansas, Geoffrey S.

TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes

STREET: Ten Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/008,459

FILING DATE: 25-JAN-1993

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/983,606

FILING DATE: 30-NOV-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/862,483

FILING DATE: 02-APR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/770,608

FILING DATE: 03-OCT-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/737,092

FILING DATE: 29-JUL-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/730,503

FILING DATE: 08-JUL-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/700,773

FILING DATE: 15-MAY-1991

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/313,109
; FILING DATE: 21-FEB-1989
; ATTOREX/AGENT INFORMATION:
; NAME: Heine, Holiday C.
; REGISTRATION NUMBER: 34,346
; TELEPHONE/DOCKET NUMBER: DFCI-318XX
; TELEPHONE: (617) 542-2290
; TELEFAX: (617) 451-0313
; TELEX: 940675
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 385 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-008-459-2

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Query Match 98.1%; Score 2076; DB 4; Length 385;

Best Local Similarity 98.1%; Pred. No. 3.8e-173;

Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGHGTCWTHYSEKPMNORARPCRDN 60
DB 14 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGHGTCWTHYSEKPMNORARPCRDN 73
QY 61 YTDLVAIONKAEIYEKTLPSRSYWTGIRKIGITWVGNKSLTEAEWNGDGEFN 120
DB 74 YTDLVAIONKAEIYEKTLPSRSYWTGIRKIGITWVGNKSLTEAEWNGDGEFN 133
QY 121 NKKNEDECVETIKRNKDGKMNDACHKLKAALCTASCOPWSCGHECVETIINNHC 180
DB 134 NKKNEDECVETIKRNKDGKMNDACHKLKAALCTASCOPWSCGHECVETIINNHC 193
QY 181 NCDVGYGQCQOLVIOCEPLAPDLGIMNCSHPLASFSTACTFTICSEGTGLGKK 240
DB 194 NCDVGYGQCQOLVIOCEPLAPDLGIMNCSHPLASFSTACTFTICSEGTGLGKK 253
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFTICSEGTGLGKK 300
DB 254 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFTICSEGTGLGKK 313
QY 301 TICSSGIMNSPILCOQKLDKSFMSIKEDYNPLFIPVAVMTAFSGLAFTIILARLTK 360
DB 314 TICSSGIMNSPILCOQKLDKSFMSIKEDYNPLFIPVAVMTAFSGLAFTIILARLTK 373
QY 361 GKSKRSMDPY 372
DB 374 GKSKRSMDPY 385

```

## RESULT 7

US-08-340-539-2

Sequence 2, Application US/08340539

GENERAL INFORMATION:

APPLICANT: Tedder, Thomas F.

APPLICANT: Kansas, Geoffrey S.

TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes

STREET: Ten Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS



```

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/340,539
FILING DATE: 16-NOV-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/008,459
FILING DATE: 25-JAN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/983,606
FILING DATE: 30-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/862,483
FILING DATE: 02-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/770,608
FILING DATE: 03-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/737,092
FILING DATE: 29-JUL-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/730,503
FILING DATE: 08-JUL-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/700,773
FILING DATE: 15-MAY-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/313,109
FILING DATE: 21-FEB-1989
ATTORNEY/AGENT INFORMATION:
NAME: Helene, Holliday C.
REGISTRATION NUMBER: 34,346
REFERENCE/DOCKET NUMBER: DPCI-318XX
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
TELEFAX: (617) 451-0313
TELEX: 940675
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-340-539-2

```

```

Query Match          98.1%; Score 2076; DB 7; Length 385;
Best Local Similarity 98.1%; Pred. No. 3.8e-173;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

```

QY 1 MIFPMKQSTQRODLNMFKILMGWMLCCDFLAHHGTYCWTYHSEKPMNORARFCRDN 60  
 DB 14 MIFPMKQSTQRODLNMFKILMGWMLCCDFLAHHGTYCWTYHSEKPMNORARFCRDN 73  
 QY 61 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGIWTWGTNKSILTEEAENMGDEPN 120  
 DB 74 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGIWTWGTNKSILTEEAENMGDEPN 133  
 QY 121 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNTTC 180  
 DB 134 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNTTC 193  
 QY 181 NCDVGYGPOCQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELTIGKKK 240  
 DB 194 NCDVGYGPOCQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELTIGKKK 253  
 QY 241 CGPFGNMSPEPTQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELTIGKKK 300  
 DB 254 CGPFGNMSPEPTQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELTIGKKK 313  
 QY 301 TICSSGIWNSPDIQCKLDSKFSMIKEGDYNPFIIPAAVWVTAFFSGLAFIIMLARLKK 360  
 DB 314 TICSSGIWNSPDIQCKLDSKFSMIKEGDYNPFIIPAAVWVTAFFSGLAFIIMLARLKK 373

```

QY 361 GKSKSRMNDPY 372
DB 374 GKSKSRMNDPY 385

```

```

RESULT 8
US-08-410-569-2
Sequence 2, Application US/08410569
GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F.
APPLICANT: Sperling, Oliver G.
TITLE OF INVENTION: LEUKOCYTE ADHESION MOLECULE-1 (LAM-1)
TITLE OF INVENTION: AND LEGEND THEREOF
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/410,569
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/770,608
FILING DATE: 03-OCT-1991
APPLICATION NUMBER: US 07/700,773
FILING DATE: 15-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Helene, Holliday C.
REGISTRATION NUMBER: 34,346
REFERENCE/DOCKET NUMBER: DPCG-152EX
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
TELEFAX: (617) 451-0313
TELEX: 940675
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 385 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-410-569-2

```

```

Query Match          98.1%; Score 2076; DB 8; Length 385;
Best Local Similarity 98.1%; Pred. No. 3.8e-173;
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

```

QY 1 MIFPMKQSTQRODLNMFKILMGWMLCCDFLAHHGTYCWTYHSEKPMNORARFCRDN 60  
 DB 14 MIFPMKQSTQRODLNMFKILMGWMLCCDFLAHHGTYCWTYHSEKPMNORARFCRDN 73  
 QY 61 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGIWTWGTNKSILTEEAENMGDEPN 120  
 DB 74 YTDVAIONKAEIYLEKTLFPRSRYWIGIRKIGIWTWGTNKSILTEEAENMGDEPN 133  
 QY 121 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNTTC 180  
 DB 134 NKKNKEDCEVEIYIRKNDAGKWDACHKLAALCYTASCPWSCSGHGECEVEIINNTTC 193  
 QY 181 NCDVGYGPOCQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELTIGKKK 240  
 DB 194 NCDVGYGPOCQVIOCEPLAPDLGIMNCSHPLASFSTSACTFICSGTELTIGKKK 253

[illegible]

```

QY      322  SESMIKEDYNPLFIPVAVWVTAFSGLAFITWLARRLKKKKSKR 366
          |||||||
Db      904  SESMIKEDYNPLFIPVAVWVTAFSGLAFITWLARRLKKKKSKR 948

RESULT 11
US-60-230-435-1751
; Sequence 1751, Application US/60230435
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS,
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CLO00768
; CURRENT APPLICATION NUMBER: US/60/230,435
; CURRENT FILING DATE: 2000-09-06
; NUMBER OF SEQ ID NOS: 2991
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1751
; LENGTH: 1078
; TYPE: PRT
; ORGANISM: HUMAN
US-60-230-435-1751

Query Match      88.8%; Score 1879; DB 26; Length 1078;
Best Local Similarity 97.1%; Pred. No. 2.5e-155;
Matches 335; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY      22  GWYMLCDFLAHHGTYCWTYHSEKPMNQARRRCRDNYDTDLVAIQNAEIEYLEKTLP 81
          |||: |||||||
Db      604  GYFLPSKDFLAHHGTDCTYHSEKPMNQARRRCRDNYDTDLVAIQNAEIEYLEKTLP 663

QY      82  FSRSTYWGIRKIGIWTWVGTKNSLTBEAEWMDGDEPNKKNKEDCVEIYIKRNKDAGK 141
          |||||
Db      664  FSRSTYWGIRKIGIWTWVGTKNSLTBEAEWMDGDEPNKKNKEDCVEIYIKRNKDAGK 723

QY      142  WNDACCHLKAALCYTASCOPWSCSGHGECEYIINNHTCNCEVGVYGGPOCOLVIOCEPLE 201
          |||||
Db      724  WNDACCHLKAALCYTASCOPWSCSGHGECEYIINNHTCNCEVGVYGGPOCOLVIOCEPLE 782

```

OY	202	APEGTMDCHPENNFSFSSQCAACSEGNLNGIEETTGCPENMSSPERTQVIOCEP	261
Db	784	APELGTMDCHPLCNFNSFSQCAACSEGNLTGIEETTGCPENMSSPERTQVIOCEP	843
OY	262	LSAPDLGMNCSHPLASPSFTACTFCSECTELIGRKTTCESSGIWSNPSPICOKLDK	321
Db	844	LSAPDLGMNCSHPLASPSFTACTFCSECTELIGRKTTCESSGIWSNPSPICOKLDK	903
OY	322	SFSMIKEGDYNLPPIPAVMWTAJSGLAFTIWLRLRKGGKSKSR	366
Db	904	SFSMIKEGDYNLPPIPAVMWTAJSGLAFTIWLRLRKGGKSKSR	948

```

RESULT 12
US-09-758-449-1158
: Sequence 1158, Application US/09758449
: GENERAL INFORMATION:
: APPLICANT: Rosen et al.
: TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
: FILE REFERENCE: PM026
: CURRENT APPLICATION NUMBER: US/09/758,449
: PRIORITY FILING DATE: 2001-01-11
: PRIOR APPLICATION NUMBER: 60/179,065
: PRIOR FILING DATE: 2000-01-31
: PRIOR APPLICATION NUMBER: 60/180,628
: PRIOR FILING DATE: 2000-02-04
: NUMBER OF SEQ ID NOS: 1478
: SOFTWARE: Patentln Ver. 2.0
: SEQ ID NO 1158
: LENGTH: 341
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: SITE
: LOCATION: (215)
: OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-758-449-1158

```

Query Match	85.4%	Score 1807	DB 21	Length 341	
Best Local Similarity	98.7%	Pred. No. 1.3e-149			
Matches 313	Conservative 1	Mismatches 3	Indels 0	Gaps 0	
QY	1	MIFPKCOSTORDLNIIFKLMGTMALCCDFLAHNGTYCWTYHYSEKPKMORARRFCRDN	60		
Db	23	MIFPKCOSTGRDLNIIFKLMGTMALCCDFLAHNGTDCWTYHYSEKPKMOMARRFCRDN	82		
QY	61	YTDLVAIONKAEIEYELEKTLPFPSRSYWMIGRIKIGIWTWGTNKSLEAEANMGDGEFN	120		
Db	83	YTDLVAIONKAEIEYELEKTLPFPSRSYWMIGRIKIGIWTWGTNKSLEAEANMGDGEFN	142		
QY	121	NKKKKEDCEVEIYIKRKNKAGKNDPACCHKLRKALCYTASCPWSSSGHCEVEIINNHTC	180		
Db	143	NKKKKEDCEVEIYIKRKNKAGKNDPACCHKLRKALCYTASCPWSSSGHCEVEIINNHTC	202		
QY	181	NCDDVGYYPQCOLVYCCEPLAEPLGTMDCTHPFNFNSFSSQCAFSCSGTYLTGTEHT	240		
Db	203	NCDDVGYYPQCOLVYCCEPLAEPLGTMDCTHPFNFNSFSSQCAFSCSGTYLTGTEHT	262		
QY	241	CGPFGNMSSPEFTCOVIOCEPLASAPDLGIMNCNHPLASFSFTSACTFTICSEGTETLGGKK	300		
Db	263	CGPFGNMSSPEFTCOVIOCEPLASAPDLGIMNCNHPLASFSFTSACTFTICSEGTETLGGKK	322		
QY	301	TICSSSGIWSNPSPIQ 317			
Db	323	TICSSSGIWSNPSPIQ 339			

RESULT 13  
US-09-760-443-1328  
; Sequence 1328, Application US/09760443  
; GENERAL INFORMATION:

```

1  APPLICANT: Rosen et al.
2  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
3  FILE REFERENCE: P1212
4  CURRENT APPLICATION NUMBER: US/09/760,443 Good data
5  CURRENT FILING DATE: 2001-01-16
6  Prior application data removed - refer to PALM or file wrapper
7  NUMBER OF SEQ ID NOS: 2164
8  SOFTWARE: PatentIn Ver. 2.0
9  SEQ ID NO 1328
10 LENGTH: 341
11 TYPE: PRT
12 ORGANISM: Homo sapiens
13 FEATURE:
14 NAME/KEY: SITE
15 LOCATION: (215)
16 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
17
18 US-09-760-443-1328

```

[illegible]

RESULT 14  
US-09-119-209-4  
Sequence 4, Application US/09119209-4  
GENERAL INFORMATION:  
APPLICANT: LASKY, LAURENCE A.  
APPLICANT: STACHELL, SCOTT E.  
APPLICANT: ROSEN, STEVEN D.  
APPLICANT: SINGER, MARK S.  
APPLICANT: YEDNOCCK, TED A.  
TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOOS  
SOFTWARE: Winpatlin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/119, 209

```

: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 1437
: LENGTH: 184
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-760-443-1437

```

```

RESULT 16
US-09-760-475-3252
; Sequence 3252, Application US/09760475
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT49
; CURRENT APPLICATION NUMBER: US/09/760 475
; CURRENT FILING DATE: 2001-01-16 X us 7602 del
; Prior application data removed - consult PAM or file wrapper
; NUMBER OF SEQ ID NOS: 4122
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3252
; LENGTH: 184
; TYPE: prt
; ORGANISM: Homo sapiens
; US-09-760-475-3252

```

```

:
:
: CURRENT APPLICATION NUMBER: US/09/1760,475
: CURRENT FILING DATE: 2001-01-16
: Prior application data removed - consult PALM or file wrapper
: NUMBER OF SEQ ID NOS: 4122
: SOFTWARE: PatentIn Ver. 2.0
:
: SEQ ID NO 3252
:
: LENGTH: 184
:
: TYPE: PRT
:
: ORGANISM: Homo sapiens
:
: US-09-760-475-3252

```

Query Match 47.2% Score 999; DB 21; Length 184;  
 Best Local Similarity 99.5%; Pred. No. 4.6e-79;  
 Matches 183; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

[illegible]

```
; APPLICANT: Board of Regents of the University of Oklahoma
; TITLE OF INVENTION: Expression Control Sequences of the P-Selectin Gene
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 1100 Peachtree Street, Suite 2800
; CITY: Atlanta
; STATE: GA
; COUNTRY: USA
; ZIP: 30309-4530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/09395
; FILING DATE: 19-AUG-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)-815-6508
; TELEFAX: (404)-815-6555
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 830 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; PCT-US94-09395-4
```

```
Query Match 42.8%; Score 905; DB 1; Length 830;
Best Local Similarity 50.6%; Pred. No. 5.1e-70;
Matches 157; Conservative 47; Mismatches 106; Indels 0; Gaps 0;
```

```
QY 8 QSTORDLMIKFKLGMWMLCCDFLAHGYTCWYHSEKPMNQRARFCRDNYTDLVAI 67
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 11 QRFQVVVFGISQLLCEFALLISELTNQREVAAMTYHSTKAYSMNISRYCONRTDVAI 70
QY 68 QNKAEIYLEKTLPEFSRYWIGIRKIGITWYGTNKSLEEAENMGDGPNNKKKED 127
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 71 QNKNEIDYLNKVLPEYSSYWIGIRKNNKKTWYGTNKKALTNENADNEPNKKRNED 130
QY 128 CVELIYIRKNDAGKWDNDACHKLKAALCYTASCPMCSGSGHECVETIINNHTCNDGVY 187
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 131 CVELIYISPAKGMNDENHCLKKHALCYTASCDMCSKOGECLETIGNTCSCYPGFY 190
QY 188 GPQCQVLYICEPRLAPBLGIMTDCNHPFGNFSFSCQCAFSCSEGNLTGIEETTCGPGNW 247
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 191 GPECEYVREGGELPLQHVILNCSHPGNSFNSQCSFHCTDGYQVNGPSKLECLASGIW 250
QY 248 SSEPTECOVYICEPRLAPBLGIMTDCNHPFGNFSFSCQCAFSCSEGNLTGIEETTCGPGNW 307
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 251 TNKRPQCLAACPPKLTIPRGNMICLSAKAFHOSSCSFSCGEGFALVGEVYQCTASG 310
QY 308 IWSNPSPIQ 317
    : : : : :
Db 311 VWTAPAPVCK 320
```

```
RESULT 18
US-08-449-687B-4
; Sequence 4, Application US/08449687B
; GENERAL INFORMATION:
; APPLICANT: McEvey, Rodger P.
; TITLE OF INVENTION: Expression Control Sequences of the
; P-Selectin Gene
; NUMBER OF SEQUENCES: 17
```

```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; STREET: 1201 West Peachtree Street
; CITY: Atlanta
; STATE: GA
; COUNTRY: USA
; ZIP: 30309-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/449,687B
; FILING DATE: 24-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/110,158
; FILING DATE: 20-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/320,408
; FILING DATE: 08-MAR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 830 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-449-687B-4
```

```
Query Match 42.8%; Score 905; DB 8; Length 830;
Best Local Similarity 50.6%; Pred. No. 5.1e-70;
Matches 157; Conservative 47; Mismatches 106; Indels 0; Gaps 0;
```

```
QY 8 QSTORDLMIKFKLGMWMLCCDFLAHGYTCWYHSEKPMNQRARFCRDNYTDLVAI 67
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 11 QRFQVVVFGISQLLCEFALLISELTNQREVAAMTYHSTKAYSMNISRYCONRTDVAI 70
QY 68 QNKAEIYLEKTLPEFSRYWIGIRKIGITWYGTNKSLEEAENMGDGPNNKKKED 127
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 71 QNKNEIDYLNKVLPEYSSYWIGIRKNNKKTWYGTNKKALTNENADNEPNKKRNED 130
QY 128 CVELIYIRKNDAGKWDNDACHKLKAALCYTASCPMCSGSGHECVETIINNHTCNDGVY 187
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 131 CVELIYISPAKGMNDENHCLKKHALCYTASCDMCSKOGECLETIGNTCSCYPGFY 190
QY 188 GPQCQVLYICEPRLAPBLGIMTDCNHPFGNFSFSCQCAFSCSEGNLTGIEETTCGPGNW 247
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 191 GPECEYVREGGELPLQHVILNCSHPGNSFNSQCSFHCTDGYQVNGPSKLECLASGIW 250
QY 248 SSEPTECOVYICEPRLAPBLGIMTDCNHPFGNFSFSCQCAFSCSEGNLTGIEETTCGPGNW 307
    ||||| | : : : : : ||||| | : : : : : ||||| |
Db 251 TNKRPQCLAACPPKLTIPRGNMICLSAKAFHOSSCSFSCGEGFALVGEVYQCTASG 310
QY 308 IWSNPSPIQ 317
    : : : : :
Db 311 VWTAPAPVCK 320
```

```
RESULT 19
US-10-020-141-10
; Sequence 10, Application US/10020141
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Jeanette
```



```
; Sequence 2, Application US/08657753
; GENERAL INFORMATION:
; APPLICANT: Klimuk, Sandra K.
; APPLICANT: Semple, Sean C.
; APPLICANT: Scherrer, Peter
; APPLICANT: Hope, Michael J.
; TITLE OF INVENTION: Enhanced Efficacy of Liposomal Antisense
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/657,753
; FILING DATE: Not yet assigned
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Kezer, William B.
; REGISTRATION NUMBER: 37,369
; REFERENCE/DOCKET NUMBER: 16303-003600
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ. ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 610 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-657-753-2

Query Match          40.7%; Score 862; DB 10; Length 610;
Best Local Similarity 52.0%; Pred. No. 2.1e-66;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
```

```
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX
; STREET: 1100 New York Ave., NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/770,435
; FILING DATE: herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/365,470
; FILING DATE: 29-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/102,510
; FILING DATE: 05-AUG-1993
; APPLICATION DATA:
; APPLICATION NUMBER: US 07/850,802
; FILING DATE: 13-MAR-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Markowicz, Karen R.
; REGISTRATION NUMBER: 36,351
; REFERENCE/DOCKET NUMBER: 0627.1350004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ. ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 610 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-770-435-3

Query Match          40.7%; Score 862; DB 11; Length 610;
Best Local Similarity 52.0%; Pred. No. 2.1e-66;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
```

RESULT 25  
US-09-266-091A-2  
Sequence 2, Application US/09266091A  
GENERAL INFORMATION:  
APPLICANT: Klimuk, Sandra K.  
Semple, Sean C.  
Scherer, Peter  
Hope, Michael J.  
TITLE OF INVENTION: Enhanced Efficacy of Liposomal Antisense  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/266,091A  
FILING DATE: 10-Mar-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/657,753  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Kezer, William B.

```
Query Match      40.7%;   Score 862; DB 21; Length 610;  
Best Local Similarity    52.0%; Pred. No. 2.le-66;  
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
```

WTHTHSEKPMNORARRCRDNTYDVIAIQNKAIETLEKTLPFSRYTYGIRTKGGIM

39  
| : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :



```
Db 22 WSYNTSTEAMTYDEASAYCOQRYTHLVAIONKEIEYLNLSYSTSPSYWIGIRKVNWV 81
Qy 99 TWGCTNSLIEAEANMGDGEPPNNKKNKEDCEIYIKRNKDAGKKNDDACHKRLKALCYTA 158
Db 82 VWGCTQRPLEBEAKNMAPGEPPNNKQKDEDCVEIYIKREKDVGMNDEKSKKRLALCYTA 141
Qy 159 SCOPWCSGSGHECEYIINNHTCNCVDVYGPQCOLVIOCEPLAEPDLGTMDCRHPFGNFS 218
Db 142 ACTNTSCSGHGECEYIINNHTCKDCDPGFSGLKCEQIYNCTALBESPEHSGSLVCSHPLGNFS 201
Qy 219 FSSOCASFCSBEGTNLTGIEETTCGPFGNWSSPEPTCOVIOCEPLSADPLGIMNCSHPLAS 278
Db 202 YNNSCSISCDRGYLPSSMETWQCSGEMSAPIPCNVVEDDAVTNPANGFVECFQNPGS 261
Qy 279 FSTFSACTFICSEGTTELIGKKTKICSSGIMSNPSPIQ 317
Db 262 FPMWTTCTFDCBEGFELMGASLOCTSSGMMNDNEKPTCK 300

RESULT 27
US-09-802-640-36
; Sequence 36, Application US/09802640
; GENERAL INFORMATION:
; APPLICANT: Braun, Andreas
; APPLICANT: Bonsal Aruna
; APPLICANT: Kleyn Patrick
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: 24736-2048
; CURRENT APPLICATION NUMBER: US/09/802,640
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 610
; TYPE: PRT
; ORGANISM: Homo saplen
US-09-802-640-36

Query Match 40.7%; Score 862; DB 22; Length 610;
Best Local Similarity 52.0%; Pred. No. 2,1e-66;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
```

```
Qy 39 WTYHSEKPMNMORARFCRDNTDVAIONKAEIYLEKTLPPRSRYWIGIRKIGIW 98
Db 22 WSYNTSTEAMTYDEASAYCOQRYTHLVAIONKEIEYLNLSYSTSPSYWIGIRKVNWV 81
Qy 99 TWGCTNSLIEAEANMGDGEPPNNKKNKEDCEIYIKRNKDAGKKNDDACHKRLKALCYTA 158
Db 82 VWGCTQRPLEBEAKNMAPGEPPNNKQKDEDCVEIYIKREKDVGMNDEKSKKRLALCYTA 141
Qy 159 SCOPWCSGSGHECEYIINNHTCNCVDVYGPQCOLVIOCEPLAEPDLGTMDCRHPFGNFS 218
Db 142 ACTNTSCSGHGECEYIINNHTCKDCDPGFSGLKCEQIYNCTALBESPEHSGSLVCSHPLGNFS 201
Qy 219 FSSOCASFCSBEGTNLTGIEETTCGPFGNWSSPEPTCOVIOCEPLSADPLGIMNCSHPLAS 278
Db 202 YNNSCSISCDRGYLPSSMETWQCSGEMSAPIPCNVVEDDAVTNPANGFVECFQNPGS 261
Qy 279 FSTFSACTFICSEGTTELIGKKTKICSSGIMSNPSPIQ 317
Db 262 FPMWTTCTFDCBEGFELMGASLOCTSSGMMNDNEKPTCK 300

RESULT 28
US-09-857-670-19
; Sequence 19, Application US/09857670
; GENERAL INFORMATION:
; APPLICANT: Monla, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; APPLICANT: Isis Pharmaceuticals, Inc.
; TITLE OF INVENTION: METHODS OF MODULATING TUMOR NECROSIS FACTOR
```

```
; TITLE OF INVENTION: alpha-INDUCED EXPRESSION OF CELL ADHESION MOLECULES
; FILE REFERENCE: ISPH-0424
; CURRENT APPLICATION NUMBER: US/09/857,670
; CURRENT FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: US 09/209,668
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 610
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-857-670-19

Query Match 40.7%; Score 862; DB 22; Length 610;
Best Local Similarity 52.0%; Pred. No. 2,1e-66;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
```

```
Qy 39 WTYHSEKPMNMORARFCRDNTDVAIONKAEIYLEKTLPPRSRYWIGIRKIGIW 98
Db 22 WSYNTSTEAMTYDEASAYCOQRYTHLVAIONKEIEYLNLSYSTSPSYWIGIRKVNWV 81
Qy 99 TWGCTNSLIEAEANMGDGEPPNNKKNKEDCEIYIKRNKDAGKKNDDACHKRLKALCYTA 158
Db 82 VWGCTQRPLEBEAKNMAPGEPPNNKQKDEDCVEIYIKREKDVGMNDEKSKKRLALCYTA 141
Qy 159 SCOPWCSGSGHECEYIINNHTCNCVDVYGPQCOLVIOCEPLAEPDLGTMDCRHPFGNFS 218
Db 142 ACTNTSCSGHGECEYIINNHTCKDCDPGFSGLKCEQIYNCTALBESPEHSGSLVCSHPLGNFS 201
Qy 219 FSSOCASFCSBEGTNLTGIEETTCGPFGNWSSPEPTCOVIOCEPLSADPLGIMNCSHPLAS 278
Db 202 YNNSCSISCDRGYLPSSMETWQCSGEMSAPIPCNVVEDDAVTNPANGFVECFQNPGS 261
Qy 279 FSTFSACTFICSEGTTELIGKKTKICSSGIMSNPSPIQ 317
Db 262 FPMWTTCTFDCBEGFELMGASLOCTSSGMMNDNEKPTCK 300

RESULT 29
US-10-021-660-122
; Sequence 122, Application US/10021660
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Glynn, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: EOS Biotechnology, Inc.
; TITLE OF INVENTION: Novel Methods of Diagnosis of Angiogenesis,
; TITLE OF INVENTION: Compositions and Methods of Screening for Angiogenesis
; FILE REFERENCE: 018501-00071005
; CURRENT APPLICATION NUMBER: US/10/021,660
; CURRENT FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: US/09/784,356
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: US 09/637,977
; PRIOR FILING DATE: 2000-08-11
; NUMBER OF SEQ ID NOS: 135
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 122
; LENGTH: 610
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-021-660-122

Query Match 40.7%; Score 862; DB 24; Length 610;
Best Local Similarity 52.0%; Pred. No. 2,1e-66;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
```

```
Db 22 WSYNTSTFAMTYDEASAVCOQRTHLVAIONKEIEYILNSILSYSPSYWIGIRKANNV 81
;
; NAME/KEY: VARIANT
; LOCATION: (1)...(119)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-60-169-867-5823

Query Match
Best Local Similarity 98.3%; Score 666; DB 26; Length 119;
Matches 117; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Db 99 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYTA 158
1 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYTA 141
82 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYTA 141
159 SCQFASCSGSGEGVEIINNHTCNCQVGYBPQOLVIOCEPLEAPELGTDCIHPFGNFS 218
142 ACTWTSKSGHGEVETINNTYCKDCDPFGSGIKCEQIYNCTALSPHSGSLVCSHPGNFS 201
219 FSSQAFASCSGSGEGVEIINNHTCNCQVGYBPQOLVIOCEPLEAPELGTDCIHPFGNFS 218
202 YNSSCASCSGSGEGVEIINNHTCNCQVGYBPQOLVIOCEPLEAPELGTDCIHPFGNFS 261
279 FSPSTACTFCSGTELGKRTIKCTICSSGIMSPSPICQ 317
262 FPMNTTCTFCDEGSEFELMGASQISCTSSGWNDEKPTCK 300
```

```
RESULT 30
US-60-160-189-8687
; Sequence 8687, Application US/60160189
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVLEN
; TITLE OF INVENTION: ISOLATED HUMAN DRUG TARGET PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN DRUG TARGET PROTEINS
; FILE REFERENCE: C1000112
; CURRENT APPLICATION NUMBER: US/60/160,189
; CURRENT FILING DATE: 1999-10-19
; NUMBER OF SEQ ID NOS: 10162
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8687
; LENGTH: 119
; TYPE: PRT
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(119)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-60-160-189-8687
```

```
Query Match
Best Local Similarity 98.3%; Score 666; DB 26; Length 119;
Matches 117; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Db 99 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYT 157
1 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYT 119
61 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYT 119
```

```
RESULT 31
US-60-169-867-5823
; Sequence 5823, Application US/60169867
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVLEN
; TITLE OF INVENTION: ISOLATED HUMAN DRUG TARGET PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN DRUG TARGET PROTEINS,
; FILE REFERENCE: C1000160
; CURRENT APPLICATION NUMBER: US/60/169,867
; CURRENT FILING DATE: 1999-12-09
; NUMBER OF SEQ ID NOS: 8230
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5823
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Human
```

```
;
; NAME/KEY: VARIANT
; LOCATION: (1)...(119)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-60-169-867-5823
```

```
Query Match
Best Local Similarity 98.3%; Score 666; DB 26; Length 119;
Matches 117; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Db 99 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYT 157
1 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYT 119
61 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYT 119
```

```
RESULT 32
US-60-160-203-5003
; Sequence 5003, Application US/60160203
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVLEN
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS AND
; FILE REFERENCE: C1000116
; CURRENT APPLICATION NUMBER: US/60/160,203
; CURRENT FILING DATE: 1999-10-19
; NUMBER OF SEQ ID NOS: 6374
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5003
; LENGTH: 119
; TYPE: PRT
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(119)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-60-160-203-5003
```

```
Query Match
Best Local Similarity 95.0%; Score 645; DB 26; Length 119;
Matches 113; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Db 99 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYT 157
1 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYT 60
61 WTVGTSKSLTEAEENWGDGEPNNKKNKEDCEYIYIKRNKAGKWNDDACHKLKALCYT 119
```

```
RESULT 33
US-60-169-840-6716
; Sequence 6716, Application US/60169840
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVLEN
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS AND
; FILE REFERENCE: C1000164
; CURRENT APPLICATION NUMBER: US/60/169,840
; CURRENT FILING DATE: 1999-12-09
; NUMBER OF SEQ ID NOS: 9628
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6716
; LENGTH: 119
; TYPE: PRT
```

```

: ORGANISM: Human
:
: FEATURE:
: NAME/KEY: VARIANT
: LOCATION: (1)..(119)
: OTHER INFORMATION: Xaa - any Amino Acid
US-60-169-840-6716

```

Query Match	30.5%;	Score 645;	DB 26;	length 119;
Best Local Similarity	95.0%;	Pred. No. 3.1e-48;		
Matches 113; Conservative	1;	Mismatches 5;	Indels 0;	Gaps 0;

QY	39	WTYHSKSPYNNQRRARFCRDYDTLVAIQNAKELEYEKEKLPFSRSYTWIGIRKIGGIM	98
Dd	1	WTYHSKSPYNNQRRARFCRDYDTLVAIQNAKELEYEKEKLPFSRSYTWIGIRKIGGIM	60
QY	99	TWYGTGKSLTEELAEENNGDDEPNNKKNKEDCEVYITKRRKDGAKNDACRKLKALCYT	157
Dd	61	TWYGTGKSLTEELAEENNGDDEPNNKKTKEDCEVYITKRRKDGAKNDACRKLKALCYT	119

RESULT 34  
US-60-160-189-10011  
; Sequence 10011, Application US/60160189

```

: TITLE OF INVENTION: ISOLATED HUMAN DRUG TARGET PROTEINS,
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN DRUG TARGET PROTEINS,
: TITLE OF INVENTION: AND USES THEREOF

```

; CURRENT APPLICATION NUMBER: US/60/160,189  
 ; CURRENT FILING DATE: 1999-10-19

```

; NUMBER OF SEQ ID NOS: 10102
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10011

```

TYPE: PRT  
ORGANISM: HUMAN

```

; NAME/KEY: VARIANT
; LOCATION: (1)...(116)

```

OTHER INFORMATION: Xaa = Any Amino Acid  
US-60-160-189-10011

Query Match	27.7%;	Score 586;	DB 26;	length 116;
Best Local Similarity	95.4%;	Pred. No. 4.5e-43;		
Matches 103; Conservative	1;	Mismatches 4;	Indels 0;	Gaps 0

Qy	30 FLAHGHTCWTYHYSEKPMNQARRCRNDYTDVAIQNKAEIYELETLPPFSRYWI 89
Db	2 FLAHGHTCWTYHYSEKPMNQARRCRNDYTDVAIQNKAEIYELETLPPFSRYWI 61

QY 90 GIRKIGGIWTVGTNKSLTEEAENWGDGEPNNKKNKEDCVEIYIKRNK 137  
||||| :  
Db 62 GIRKIGGIWTVGTNKSLTEEAENWGDGEPNNKKTKEDCVEIYIKERQ 109

RESULT 35  
US-60-160-203-6200  
; Sequence 6200, Application US/60160203

```

: TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
:
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS AND
:
: TITLE OF INVENTION: USES THEREOF
:
: FILE REFERENCE: C1000116

```

```

; CURRENT APPLICATION NUMBER: US/60/160,203
; CURRENT FILING DATE: 1999-10-19

```

```
; NUMBER OF SEQ ID NOS: 6374
!- SOFTWARE: FastSeq for Windows Version 4.0
```

```

; SEQ ID NO 6200
; LENGTH: 116

```

```

: TYPE: PRT
: ORGANISM: HUMAN
: FEATURE:
: NAME/KEY: VARIANT
: LOCATION: (1)...(116)
: OTHER INFORMATION: Xaa = Any Amino Acid
US-60-160-203-6200

```

Query Match	27.7%	Score 586;	DB 26;	Length 116;
Best Local Similarity	95.4%	Pred. No. 4.5e-43;		
Matches 103; Conservative	1;	Mismatches 4;	Indels 0;	Gaps 0

[illegible]

RESULT 36  
US-60-169-840-9326  
; Sequence 9326, Application US/60169840

```

: TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS AND
: TITLE OF INVENTION: USES THEREOF

```

;; CURRENT APPLICATION NUMBER: US/60/169,840  
; CURRENT FILING DATE: 1999-12-09

```

; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9326

```

```

; ORGANISM: Human
; TYPE: PRT
;

```

```

;
; NAME/KEY:  VARIANT
; LOCATION:  (1)..(116)
;

```

OTHER INFORMATION: Xaa = Any Amino Acid  
US-60-169-840-9326

Query Match	27.7%;	Score 586;	DB 26;	length 116;
Best Local Similarity	95.4%;	Pred. No. 4.5e-43;		
Matches 103;	Conservative 1;	Mismatches 4;	Indels 0;	Gaps 0

QY 30 FLAHGHTCYWYHYSEKPMNQRRRCRDNYTDVAIQNKAIEYLETLPPSSSYWI 893  
|||||  
Dd 2 FLAHGHTDCWYHYSEKPMNQRRRCRDNYTDVAIQNKAIEYLETLPPSSSYWI 613

Qy 90 GIRKIGIWTWGTNKS L TEEAENWG DGE PNNKKNKEDC V E I Y K R N K 137  
||||| :  
Db 62 GIRKIGIWTWGTNKS L TEEAENWG DGE PNNKKNKEDC V E I Y K E Q 109

RESULT 37  
US-60-169-867-7998  
; Sequence 7998, Application US/60169867

1 TITLE OF INVENTION: ISOLATED HUMAN DRUG TARGET PROTEINS,  
2  
3 TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN DRUG TARGET PROTEINS  
4  
5 TITLE OF INVENTION: AND USES THEREOF

```

; FILE REFERENCE: CL000160
; CURRENT APPLICATION NUMBER: US/60/169,867
; CURRENT FILING DATE: 1960-10-03

```

```
; CURRENT FILING DATE: 1999-12-09
; NUMBER OF SEQ ID NOS: 8230
COMMAND: fastseq -f windows -method
```

; SOFTWARE: FAS  
; SEQ ID NO 7998

```
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Human
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(116)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-60-169-867-7998
```

```
Query Match 27.7%; Score 586; DB 26; Length 116;
Best Local Similarity 95.4%; Pred. No. 4.5e-43;
Matches 103; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
```

```
QY 30 FLAHGTCWTYHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 89
DB 2 FLAHGTCWTYHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 61
QY 90 GIRKTGGITWVGTKNSLITEAENMGDGEPPNNKKNEKDCVEIYIKRKNK 137
DB 62 GIRKTGGITWVGTKNSLITEAENMGDGEPPNNKKNEKDCVEIYIKRKNK 109
```

```
RESULT 38
US-09-760-498-916
; Sequence 916, Application US/09760498
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC017
; CURRENT APPLICATION NUMBER: US/09/760,498
; CURRENT FILING DATE: 2001-01-16
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 930
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 916
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (190)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-760-498-916
```

```
Query Match 22.4%; Score 473; DB 21; Length 196;
Best Local Similarity 61.8%; Pred. No. 7e-33;
Matches 81; Conservative 14; Mismatches 36; Indels 0; Gaps 0;
```

```
QY 39 WTYHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 98
DB 59 WSYNTSTREATYDASAYVCOQRTHLVAIONKEIEYLNLSISPSYWI 118
QY 99 TWVGTNKSITEAENMGDGEPPNNKKNEKDCVEIYIKRKNK 158
DB 119 VMVGTOKPLTEAKKNMAGPEPPNNKQKDEDCVEIYIKRKNK 178
QY 159 SCQFWSCSGHG 169
DB 179 ACTNTSCSGHG 189
```

```
RESULT 39
US-60-196-718-4236
; Sequence 4236, Application US/60196718
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; FILE REFERENCE: CL000436
; CURRENT APPLICATION NUMBER: US/60/196,718
```

```
; CURRENT FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 7494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4236
; LENGTH: 129
; TYPE: PRT
; ORGANISM: HUMAN
US-60-196-718-4236
```

```
Query Match 21.4%; Score 452.5; DB 26; Length 129;
Best Local Similarity 66.4%; Pred. No. 2.6e-31;
Matches 79; Conservative 13; Mismatches 26; Indels 1; Gaps 1;
```

```
QY 39 WTYHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 98
DB 6 WTYHSTAYSNISIRKTCQNRITDLVAIONKNEIDYLNKYLPLYSSYWI 65
QY 99 TWVGTNKSITEAENMGDGEPPNNKKNEKDCVEIYIKRKNK 157
DB 66 TWVGTKALTNKAEWADNEPPNNKRNNEKDCVEIYIKESV-SGKNWDEHCLKRAALCYT 123
```

```
RESULT 40
US-60-195-053-1909
; Sequence 1909, Application US/60195053
; GENERAL INFORMATION:
; APPLICANT: Bonazzi, Vivien
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; FILE REFERENCE: CL000427
; CURRENT APPLICATION NUMBER: US/60/195,053
; CURRENT FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 2836
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1909
; LENGTH: 128
; TYPE: PRT
; ORGANISM: HUMAN
US-60-195-053-1909
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Query Match 21.3%; Score 451.5; DB 26; Length 128;
Best Local Similarity 66.4%; Pred. No. 3.2e-31;
Matches 79; Conservative 12; Mismatches 27; Indels 1; Gaps 1;
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QY 39 WTYHYSEKPMNQRARFCRDNTDLVAIONKAEIYELEKTLFPSRSYWI 98
DB 11 WTYHSTKAYSWK-SKRYCONRTDLVAIONKNEIDYLNKYLPLYSSYWI 69
QY 99 TWVGTNKSITEAENMGDGEPPNNKKNEKDCVEIYIKRKNK 157
DB 70 TWVGTKALTNKAEWADNEPPNNKRNNEKDCVEIYIKSPAPGKNWDEHCLKRAALCYT 128
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Search completed: September 4, 2002, 08:37:59
Job time: 185 sec
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GenCore version 4.5  
Copyright (c) 1993 - 2000 Compugen Ltd.

OW protein - protein search, using sw model

Run on: September 4, 2002, 08:34:54 ; Search time 13.13 seconds  
(without alignments)  
692.027 Million cell updates/sec

Title: US-09-119-209-2  
Perfect score: 2116  
Sequence: 1 MFPWKCSTORDIMNIFKL.....WLARLKKKKKSRGNDPY 372

Scoring table:  
BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%

Listing first 45 summaries

Database :

1: Issued\_Patents\_AA:\*  
2: /cgn2\_6/prodata/2/1aa/5A\_COMB.pep:\*  
3: /cgn2\_6/prodata/2/1aa/5B\_COMB.pep:\*  
4: /cgn2\_6/prodata/2/1aa/6A\_COMB.pep:\*  
5: /cgn2\_6/prodata/2/1aa/6B\_COMB.pep:\*  
6: /cgn2\_6/prodata/2/1aa/6C\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2116	100.0	372	2 US-08-513-278-2	Sequence 2, Appl1
2	2116	100.0	372	6 5514582-2	Patent No. 5514582
3	2076	98.1	385	1 US-08-340-539A-2	Sequence 2, Appl1
4	2076	98.1	385	2 US-08-461-592B-2	Sequence 2, Appl1
5	1651	78.0	372	2 US-08-513-278-4	Sequence 4, Appl1
6	1651	78.0	372	6 5514582-4	Patent No. 5514582
7	905	42.8	830	1 US-08-110-158-4	Sequence 4, Appl1
8	899	42.5	830	5 PCT-US91-05059-2	Sequence 2, Appl1
9	889	42.0	830	6 5378464-2	Patent No. 5378464
10	862	40.7	610	1 US-08-365-470-3	Sequence 3, Appl1
11	862	40.7	610	3 US-09-209-668-19	Sequence 19, Appl1
12	862	40.7	610	4 US-09-009-490A-89	Sequence 89, Appl1
13	862	40.7	610	6 521870-2	Patent No. 521870
14	814.5	38.5	484	2 US-08-252-493C-9	Sequence 9, Appl1
15	814.5	38.5	484	3 US-09-276-197-9	Sequence 14, Appl1
16	666	31.5	117	1 US-08-374-661B-38	Sequence 38, Appl1
17	587	27.7	119	1 US-08-340-539A-14	Sequence 14, Appl1
18	572	27.0	119	1 US-08-340-539A-12	Sequence 12, Appl1
19	569	26.9	119	1 US-08-340-539A-13	Sequence 13, Appl1
20	555	26.7	117	6 5514582-7	Patent No. 5514582
21	467	23.0	126	1 5514582-31	Patent No. 5514582
22	467	22.1	119	1 US-08-340-539A-18	Sequence 18, Appl1
23	457	21.6	119	1 US-08-340-539A-17	Sequence 17, Appl1
24	452	21.4	119	1 US-08-340-539A-16	Sequence 16, Appl1
25	451	21.3	119	1 US-08-340-539A-19	Sequence 19, Appl1
26	450	21.3	120	1 US-08-274-661B-37	Sequence 37, Appl1
27	445	21.0	117	1 US-08-274-661B-39	Sequence 39, Appl1

28	431	20.4	120	1 US-08-274-661B-36	Sequence 36, Appl1
29	427	20.2	119	1 US-08-340-539A-15	Sequence 15, Appl1
30	337	15.9	574	6 5378464-3	Patent No. 5378464
31	237	11.2	67	3 US-08-840-062-8	Sequence 8, Appl1
32	199	9.4	36	1 US-08-340-539A-22	Sequence 22, Appl1
33	189.5	9.0	1019	1 US-08-296-014A-4	Sequence 4, Appl1
34	189.5	9.0	1019	2 US-08-596-405-4	Sequence 4, Appl1
35	189.5	9.0	1019	2 US-08-877-620-4	Sequence 4, Appl1
36	189.5	9.0	1083	1 US-08-296-014A-2	Sequence 2, Appl1
37	189.5	9.0	1083	2 US-08-596-405-2	Sequence 2, Appl1
38	189.5	9.0	1083	2 US-08-877-620-2	Sequence 2, Appl1
39	181.5	8.6	240	3 US-08-824-692-23	Sequence 23, Appl1
40	177	8.4	36	1 US-08-340-539A-20	Sequence 20, Appl1
41	175.5	8.3	216	3 US-08-824-692-24	Sequence 24, Appl1
42	172	8.1	1466	6 5256642-6	Patent No. 5256642
43	172	8.1	1466	6 5472939-6	Patent No. 5472939
44	172	8.1	1537	6 5256642-5	Patent No. 5256642
45	172	8.1	1537	6 5472939-5	Patent No. 5472939

#### ALIGNMENTS

RESULT 1  
US-08-513-278-2  
Sequence 2, Application US/08513278  
Patent No. 5840844  
GENERAL INFORMATION:  
APPLICANT: LASKY, LAURENCE A. / *Some further proof*  
APPLICANT: STACHEL, SCOTT E.  
APPLICANT: ROSEN, STEVEN D.  
APPLICANT: SINGER, MARK S.  
APPLICANT: YEDNICK, TED A.  
TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/513,278  
FILING DATE: 10-AUG-1995  
CLASSIFICATION: 5530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/059027  
FILING DATE: 06-MAY-1993  
APPLICATION NUMBER: 07/786149  
FILING DATE: 31-OCT-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/315015  
FILING DATE: 23-FEB-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Dregler, Ginger R.  
REGISTRATION NUMBER: 33,055  
REFERENCE/DOCKET NUMBER: 565D1C1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-3216  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ. ID NO.: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 372 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-513-278-2

Query Match 100.0%; Score 2116; DB 2; Length 372;  
 Best Local Similarity 100.0%; Pred. No. 3.5e-185;  
 Matches 372; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MIFPMKQOSTORDLWNIFFKLMGWTMLCCDFLAHGTCTYHYSEKPMNORARFCRDN 60  
 DB 1 MIFPMKQOSTORDLWNIFFKLMGWTMLCCDFLAHGTCTYHYSEKPMNORARFCRDN 60  
 QY 61 YTDVAIONKAEIEYLEKTLFPRSRYWIGIRKIGIWTWVGNKSLTEAEWNGDGEPN 120  
 DB 61 YTDVAIONKAEIEYLEKTLFPRSRYWIGIRKIGIWTWVGNKSLTEAEWNGDGEPN 120  
 QY 121 NKKNKEDVEIYIKRNKDGKNDACCHKLKAALCYTASQPMSCSGHGECEVLIINNHTC 180  
 DB 121 NKKNKEDVEIYIKRNKDGKNDACCHKLKAALCYTASQPMSCSGHGECEVLIINNHTC 180  
 QY 181 NCDVGYGQCQVLYICEPLAEPLGTMDCTHPFGNFSFSSOCASFCSGEGTNTLTGIEETT 240  
 DB 181 NCDVGYGQCQVLYICEPLAEPLGTMDCTHPFGNFSFSSOCASFCSGEGTNTLTGIEETT 240  
 QY 241 CGPFGWMSPEPTCOYIOCEPLSAPDLGIMNCSHPLASFSTACTFTCSGEGTILGKRR 300  
 DB 241 CGPFGWMSPEPTCOYIOCEPLSAPDLGIMNCSHPLASFSTACTFTCSGEGTILGKRR 300  
 QY 301 TICSSGIMNSPICOQLDKSFSMIKEDGYNPLFIYAVWVTAFSGLAFTIWLARLKK 360  
 DB 301 TICSSGIMNSPICOQLDKSFSMIKEDGYNPLFIYAVWVTAFSGLAFTIWLARLKK 360  
 QY 361 GKRSKRSNDPY 372  
 DB 361 GKRSKRSNDPY 372

RESULT 2  
 5514582-2  
 Patent No. 5514582  
 APPLICANT: CAPON, DANIEL J.; LASKY, LAURENCE A.  
 TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID  
 IMMUNOGLOBULINS  
 NUMBER OF SEQUENCES: 43  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/185,670  
 FILING DATE: 21-JAN-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 986,931  
 FILING DATE: 08-DEC-1992  
 APPLICATION NUMBER: 808,122  
 FILING DATE: 16-DEC-1991  
 APPLICATION NUMBER: 440,625  
 FILING DATE: 22-NOV-1989  
 APPLICATION NUMBER: 315,015  
 FILING DATE: 23-FEB-1989  
 SEQ ID NO: 2  
 LENGTH: 372  
 5514582-2

*Same protein*

Query Match 100.0%; Score 2116; DB 6; Length 372;  
 Best Local Similarity 100.0%; Pred. No. 3.5e-185;  
 Matches 372; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MIFPMKQOSTORDLWNIFFKLMGWTMLCCDFLAHGTCTYHYSEKPMNORARFCRDN 60  
 DB 1 MIFPMKQOSTORDLWNIFFKLMGWTMLCCDFLAHGTCTYHYSEKPMNORARFCRDN 60  
 QY 61 YTDVAIONKAEIEYLEKTLFPRSRYWIGIRKIGIWTWVGNKSLTEAEWNGDGEPN 120  
 DB 61 YTDVAIONKAEIEYLEKTLFPRSRYWIGIRKIGIWTWVGNKSLTEAEWNGDGEPN 120  
 QY 121 NKKNKEDVEIYIKRNKDGKNDACCHKLKAALCYTASQPMSCSGHGECEVLIINNHTC 180  
 DB 121 NKKNKEDVEIYIKRNKDGKNDACCHKLKAALCYTASQPMSCSGHGECEVLIINNHTC 180

DB 121 NKKNKEDVEIYIKRNKDGKNDACCHKLKAALCYTASQPMSCSGHGECEVLIINNHTC 180  
 QY 181 NCDVGYGQCQVLYICEPLAEPLGTMDCTHPFGNFSFSSOCASFCSGEGTNTLTGIEETT 240  
 DB 181 NCDVGYGQCQVLYICEPLAEPLGTMDCTHPFGNFSFSSOCASFCSGEGTNTLTGIEETT 240  
 QY 241 CGPFGWMSPEPTCOYIOCEPLSAPDLGIMNCSHPLASFSTACTFTCSGEGTILGKRR 300  
 DB 241 CGPFGWMSPEPTCOYIOCEPLSAPDLGIMNCSHPLASFSTACTFTCSGEGTILGKRR 300  
 QY 301 TICSSGIMNSPICOQLDKSFSMIKEDGYNPLFIYAVWVTAFSGLAFTIWLARLKK 360  
 DB 301 TICSSGIMNSPICOQLDKSFSMIKEDGYNPLFIYAVWVTAFSGLAFTIWLARLKK 360  
 QY 361 GKRSKRSNDPY 372  
 DB 361 GKRSKRSNDPY 372

RESULT 3  
 US-08-340-539A-2  
 Sequence 3, Application US/08340539A  
 Patent No. 5808025  
 GENERAL INFORMATION:  
 APPLICANT: Tedder, Thomas F.  
 APPLICANT: Keras, Geoffrey S.  
 TITLE OF INVENTION: CHIMERIC SELECTIONS AS SIMULTANEOUS  
 NUMBER OF SEQUENCES: 28  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FISH & NEAVE  
 STREET: 1251 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10020  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/340,539A  
 FILING DATE: 16-NOV-1994  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/008,459  
 FILING DATE: 25-JAN-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Gunnison, Jane  
 REGISTRATION NUMBER: 38,479  
 REFERENCE/DOCKET NUMBER: CG-104 CON  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-596-9000  
 TELEFAX: 212-596-9090  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 385 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-340-539A-2

Query Match 98.1%; Score 2076; DB 1; Length 385;  
 Best Local Similarity 98.1%; Pred. No. 1.6e-181;  
 Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPMKQOSTORDLWNIFFKLMGWTMLCCDFLAHGTCTYHYSEKPMNORARFCRDN 60  
 DB 14 MIFPMKQOSTORDLWNIFFKLMGWTMLCCDFLAHGTCTYHYSEKPMNORARFCRDN 73  
 QY 61 YTDVAIONKAEIEYLEKTLFPRSRYWIGIRKIGIWTWVGNKSLTEAEWNGDGEPN 120

|||||  
Db 74 YTDVAIONKAEIYELKLETPFSRSYVIGIRKIGITWGTNKSLEEAENMDGEBN 133  
QY 121 NKKNKEDCEVEIYIRKNDKAGKNDACRKLKAAALCYTASCPWMSGSGEGVEIINNHTC 180  
Db 134 NKKNKEDCEVEIYIRKNDKAGKNDACRKLKAAALCYTASCPWMSGSGEGVEIINNHTC 193  
QY 181 NCDVGYGPOQOLVIOCEPLAPBLGTMDCTHPEGNFSSQCAFSCSEGTNLGIEETT 240  
Db 194 NCDVGYGPOQOLVIOCEPLAPBLGTMDCTHPEGNFSSQCAFSCSEGTNLGIEETT 253  
QY 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHPLASFSTSACTFICSEGTTELIGRKK 300  
Db 254 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHPLASFSTSACTFICSEGTTELIGRKK 313  
QY 301 TICSSSGIWSNPSPICOKLDFSKFKIKGDNPLFIPIVAVVTAASGLAFIIMLARLKK 360  
Db 314 TICSSSGIWSNPSPICOKLDFSKFKIKGDNPLFIPIVAVVTAASGLAFIIMLARLKK 373  
QY 361 GKSKSRMNDPY 372  
Db 374 GKSKSRMNDPY 385

RESULT 4  
US-08-461-592B-2  
Sequence 2, Application US/08461592B  
Patent No. 5834425  
GENERAL INFORMATION:  
APPLICANT: Tedder, Thomas F.  
APPLICANT: Kansas, Geoffrey S.  
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes  
STREET: Ten Post Office Square  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/461,592B  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/340,539  
FILING DATE: 16-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/008,459  
FILING DATE: 25-JAN-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: James F. Haley, Jr.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: CG-104  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 596-9000  
TELEFAX: (212) 596-9090  
TELEX: 14-8367  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 385 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-461-592B-2

Query Match 98.1%; Score 2076; DB 2; Length 385;  
Best Local Similarity 98.1%; Pred. No. 1,66-181;  
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
QY 1 MIFPWKQSTQDRLNIFKLGWMLCCDFLAHGTGTYHYSEKPNMWRARFRCNDN 60  
Db 14 MIFPWKQSTQDRLNIFKLGWMLCCDFLAHGTGTYHYSEKPNMWRARFRCNDN 73  
QY 61 YTDVAIONKAEIYELKLETPFSRSYVIGIRKIGITWGTNKSLEEAENMDGEBN 120  
Db 74 YTDVAIONKAEIYELKLETPFSRSYVIGIRKIGITWGTNKSLEEAENMDGEBN 133  
QY 121 NKKNKEDCEVEIYIRKNDKAGKNDACRKLKAAALCYTASCPWMSGSGEGVEIINNHTC 180  
Db 134 NKKNKEDCEVEIYIRKNDKAGKNDACRKLKAAALCYTASCPWMSGSGEGVEIINNHTC 193  
QY 181 NCDVGYGPOQOLVIOCEPLAPBLGTMDCTHPEGNFSSQCAFSCSEGTNLGIEETT 240  
Db 194 NCDVGYGPOQOLVIOCEPLAPBLGTMDCTHPEGNFSSQCAFSCSEGTNLGIEETT 253  
QY 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHPLASFSTSACTFICSEGTTELIGRKK 300  
Db 254 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHPLASFSTSACTFICSEGTTELIGRKK 313  
QY 301 TICSSSGIWSNPSPICOKLDFSKFKIKGDNPLFIPIVAVVTAASGLAFIIMLARLKK 360  
Db 314 TICSSSGIWSNPSPICOKLDFSKFKIKGDNPLFIPIVAVVTAASGLAFIIMLARLKK 373  
QY 361 GKSKSRMNDPY 372  
Db 374 GKSKSRMNDPY 385

RESULT 5  
US-08-513-278-4  
Sequence 4, Application US/08513278  
Patent No. 5840844  
GENERAL INFORMATION:  
APPLICANT: LASKY, LAURENCE A.  
APPLICANT: STACHELL, SCOTT E.  
APPLICANT: ROSEN, STEVEN D.  
APPLICANT: SINGER, MARK S.  
APPLICANT: YEDNICK, TED A.  
TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: palin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/513,278  
FILING DATE: 10-AUG-1995  
CLASSIFICATION: 5530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/059027  
FILING DATE: 06-MAY-1993  
APPLICATION NUMBER: 07/786149  
FILING DATE: 31-OCT-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/315015  
FILING DATE: 23-FEB-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Ginger R.  
REGISTRATION NUMBER: 33,055  
REFERENCE/DOCKET NUMBER: 565DICI

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-3216  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 372 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-513-278-4

Query Match 78.0%; Score 1651; DB 2; Length 372;  
 Best Local Similarity 76.1%; Pred. No. 9.1e-143;  
 Matches 283; Conservative 32; Mismatches 57; Indels 0; Gaps 0;

QY 1 MIFPMKCOSTORDLWNIKFLMGWMLCCDFLAHGHGYCWTYHSEKPMNMORARRCRDN 60  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 1 MIFPMKCEGTWMSRNILKLMWTLCCDFLIHGHHCWYHSEKPMNMENARKCKON 60  
 QY 61 YTDLVAIONKAEIEYLEKTLPFSSRYWIGIRKIGIWTWGTNKSILTEEAENMGDEPN 120  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 61 YTDLVAIONKREIEYLENTLPKSPYYWIGIRKIGKMTWGTNKTILTKAEAWMGAGEPN 120  
 QY 121 NKKNKEDCVETIYIKRNKDGKXNDACHKRAKALCYTASCQPMSCSGHGECEIINNHTC 180  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 121 NKKSKEDCVETIYIKRRDSGKXNDACHKRAKALCYTASCQPMSCNGRGECEIINNHTC 180  
 QY 181 NCDVGYGFCQOLYIOCEPLAEPLGTMDCTHFGNFSFSCAFSCSGEETNLTGIEETT 240  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 181 ICDAGYGGQCYVVOCEPLAEPLGTMDCIHPLGNFSFQSKAFSCSGRELLGTAEET 240  
 QY 241 CGPFGWMSPEPTCYVIOCEPLSAPDLGIMNCSHPLASFSTACTFCISGTELLGKKK 300  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 241 CGASGWNSSPEPTCYVVOCEPLAEPLGTMDCIHPLGNFSFQSKAFNCSGELLGTAE 300  
 QY 301 TICSSGIMNSNPICQKLDKSFMSIKEGDYNPLFIPVAVWYTAESGLAFITWLARLKK 360  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 301 TCGASGWNSSPEPTCYVVOCEPLAEPLGTMDCIHPLGNFSFQSKAFNCSGELLGTAE 360  
 QY 361 GKSKRSMDPY 372  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 361 GKSKQERMDPY 372

RESULT 6  
 5514582-4  
 Patent No. 5514582  
 APPLICANT: CAPON, DANIEL J.; LASKY, LAURENCE A.  
 TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID  
 IMMUNOGLOBULINS  
 NUMBER OF SEQUENCES: 43  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/185,670  
 FILING DATE: 21-JAN-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 986,931  
 FILING DATE: 08-DEC-1992  
 APPLICATION NUMBER: 808,122  
 FILING DATE: 16-DEC-1991  
 APPLICATION NUMBER: 440,625  
 FILING DATE: 22-NOV-1989  
 APPLICATION NUMBER: 315,015  
 FILING DATE: 23-FEB-1989  
 SEQ ID NO: 4:  
 LENGTH: 372  
 5514582-4

Query Match 78.0%; Score 1651; DB 6; Length 372;  
 Best Local Similarity 76.1%; Pred. No. 9.1e-143;  
 Matches 283; Conservative 32; Mismatches 57; Indels 0; Gaps 0;

QY 1 MIFPMKCOSTORDLWNIKFLMGWMLCCDFLAHGHGYCWTYHSEKPMNMORARRCRDN 60  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 1 MIFPMKCEGTWMSRNILKLMWTLCCDFLIHGHHCWYHSEKPMNMENARKCKON 60  
 QY 61 YTDLVAIONKAEIEYLEKTLPFSSRYWIGIRKIGIWTWGTNKSILTEEAENMGDEPN 120  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 61 YTDLVAIONKREIEYLENTLPKSPYYWIGIRKIGKMTWGTNKTILTKAEAWMGAGEPN 120  
 QY 121 NKKNKEDCVETIYIKRNKDGKXNDACHKRAKALCYTASCQPMSCSGHGECEIINNHTC 180  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 121 NKKSKEDCVETIYIKRRDSGKXNDACHKRAKALCYTASCQPMSCNGRGECEIINNHTC 180  
 QY 181 NCDVGYGFCQOLYIOCEPLAEPLGTMDCTHFGNFSFSCAFSCSGEETNLTGIEETT 240  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 181 ICDAGYGGQCYVVOCEPLAEPLGTMDCIHPLGNFSFQSKAFNCSGELLGTAE 240  
 QY 241 CGPFGWMSPEPTCYVIOCEPLSAPDLGIMNCSHPLASFSTACTFCISGTELLGKKK 300  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 241 CGASGWNSSPEPTCYVVOCEPLAEPLGTMDCIHPLGNFSFQSKAFNCSGELLGTAE 300  
 QY 301 TICSSGIMNSNPICQKLDKSFMSIKEGDYNPLFIPVAVWYTAESGLAFITWLARLKK 360  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 301 TCGASGWNSSPEPTCYVVOCEPLAEPLGTMDCIHPLGNFSFQSKAFNCSGELLGTAE 360  
 QY 361 GKSKRSMDPY 372  
 | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |  
 DB 361 GKSKQERMDPY 372

RESULT 7  
 US-08-110-158-4  
 Sequence 4, Application US/08110158  
 Patent No. 5605821  
 GENERAL INFORMATION:  
 APPLICANT: McEver, Rodger P.  
 APPLICANT: Pan, Junliang  
 TITLE OF INVENTION: Expression Control Sequences of the  
 TITLE OF INVENTION: P-Selectin Gene  
 NUMBER OF SEQUENCES: 17  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Patricia L. Pabst  
 STREET: 1100 Peachtree Street, Suite 2800  
 CITY: Atlanta  
 STATE: GA  
 COUNTRY: USA  
 ZIP: 30309-4530  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/110,158  
 FILING DATE: 19930820  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/320,408  
 FILING DATE: 08-MAR-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Pabst, Patricia L.  
 REGISTRATION NUMBER: 31,284  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (404)-815-6508  
 TELEFAX: (404)-815-6555  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 830 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-110-158-4





```

; OTHER INFORMATION: /note= "Potential asparagine-linked
; OTHER INFORMATION: glycosylation site"
; FEATURE:
; NAME/KEY: Binding-site
; LOCATION: 665
; OTHER INFORMATION: /note= "Potential asparagine-linked
; OTHER INFORMATION: glycosylation site"
; FEATURE:
; NAME/KEY: Binding-site
; LOCATION: 716
; OTHER INFORMATION: /note= "Potential asparagine-linked
; OTHER INFORMATION: glycosylation site"
; FEATURE:

Query Match 42.5%; Score 899; DB 5; Length 830;
Best Local Similarity 50.3%; Pred. No. 1e-73;
Matches 156; Conservative 48; Mismatches 106; Indels 0; Gaps 0;

QY 8 OSTORDLMNIFKMGWMTLCCDPLAHNGTYCWTYHSEKPMNQRRRCRDNYDLVAI 67
Db 11 QRPQRVVEGTSQLLCSALISELTNOKEVAAAMTHSTAYASWNISRKQCONRYTDLVAI 70
QY 68 QNKAEILELEKTLPEFSRSYWIIGIRKIGITWVGTKNSLTLEAEWNGDGEPPNNKKNKED 127
Db 71 QNKNEIDYLNKVLPRYSSTYWIIGIRKNNKTWVGIRKKTALTDIAEWADNEPNNKRNND 130
QY 128 CVEIYIKRRKDKAGKWNDDACHIKLAAALCTTASCCQPMSCSGHCEVEIINNHTCNCVGY 187
Db 131 CVEIYIKSPAPQKWNDECKLRKMAALCYTASCQDMSCSKQEGCELTIGNYTCSCYPGFY 190
QY 188 GPQCQLVIOCEPDEAPELTMDCTHPFGFNFSSQCAFCSGTYNLGTIEETGCGPFGMW 247
Db 191 GPECEVYRRCGELELPQEVLMNCSHPLGFMFNSQCSFCTCQIYQNGSKLECLASGIW 250
QY 248 SSPEPCVOYIOCEPLSADPLGITMNSHPLASFTSACTFICSEGTETIGKKKTTCESSG 307
Db 251 TNKPPQCLAAOCPPLIKPIPERGNMICMSAKAFOMOSCSFSCSEGFALVGPVEVQCTASG 310
QY 308 IMSNPSPIQ 317
Db 311 VWTAPAPVCK 320

RESULT 9
5378464-2
Patent No. 5378464
; APPLICANT: MCEVER, RODGER P.
; TITLE OF INVENTION: MODULATION OF INFLAMMATORY RESPONSES
; BY ADMINISTRATION OF GMP-140 OR ANTIBODY TO GMP-140
; NUMBER OF SEQUENCES: 32
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/320,408
; FILING DATE: 08-MAR-1989
; SEQ ID NO:2
; LENGTH: 830
5378464-2

Query Match 42.0%; Score 889; DB 6; Length 830;
Best Local Similarity 50.0%; Pred. No. 8.3e-73;
Matches 155; Conservative 46; Mismatches 107; Indels 0; Gaps 0;

QY 8 OSTORDLMNIFKMGWMTLCCDPLAHNGTYCWTYHSEKPMNQRRRCRDNYDLVAI 67
Db 11 QRPQRVVEGTSQLLCSALISELTNOKEVAAAMTHSTAYASWNISRKQCONRYTDLVAI 70
QY 68 QNKAEILELEKTLPEFSRSYWIIGIRKIGITWVGTKNSLTLEAEWNGDGEPPNNKKNKED 127
Db 71 QNKNEIDYLNKVLPRYSSTYWIIGIRKNNKTWVGIRKKTALTDIAEWADNEPNNKRNND 130
QY 128 CVEIYIKRRKDKAGKWNDDACHIKLAAALCYTASCPMSSCGHCEVEIINNHTCNCVGY 187
Db 131 CVEIYIKSPAPQKWNDECKLRKMAALCYTASCQDMSCSGHCEVEIINNHTCNCVGY 190
QY 191 GPECEVYRRCGELELPQEVLMNCSHPLGFMFNSQCSFCTCQIYQNGSKLECLASGIW 250
QY 248 SSPEPCVOYIOCEPLSADPLGITMNSHPLASFTSACTFICSEGTETIGKKKTTCESSG 307
Db 251 TNKPPQCLAAOCPPLIKPIPERGNMICMSAKAFOMOSCSFSCSEGFALVGPVEVQCTASG 310
QY 308 IMSNPSPIQ 317
Db 311 VWTAPAPVCK 320

```

[illegible]

```

RESULT 10
US-08-365-470-3
: Sequence 3, Application US/08365470
: Patent No. 5632991
: GENERAL INFORMATION:
: APPLICANT: Gilmrore, Jr., Michael A.
: TITLE OF INVENTION: Antibodies Specific For E-selectin And The Uses
: TITLE OF INVENTION: thereof
: NUMBER OF SEQUENCES: 3
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX
: STREET: 1100 New York Ave., NW
: CITY: Washington
: STATE: DC
: COUNTRY: USA
: ZIP: 20005
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/365,470
: FILING DATE: herewith
: CLASSIFICATION: 424
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/102,510
: FILING DATE: 05-AUG-1993
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/850,802
: FILING DATE: 13-MAR-1992
: ATTORNEY/AGENT INFORMATION:
: NAME: Markowicz, Karen R.
: REGISTRATION NUMBER: 36,351
: REFERENCE/DOCKET NUMBER: 0627.1350003
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-371-2600
: TELEFAX: 202-371-2540
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 610 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
US-08-365-470-3

Query Match 40.7%; Score 862; DB 1; Length 610;
Best Local Similarity 52.0%; Pred. No. 1.6e-70;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps

QY 39 WTYHYSEKPMWQARRFCRDNTYDVAIQKAEIYLEKTLPPSRKYIYIGIRKIGTW 98
Db 22 WSYNTSTSEAMYYDEASAYCCOQRYTHLVAIQKKEIYLELNSLSPSYWIGIRKVNW 81
QY 99 TWVTSINTSLTEAEWMDGDEPNKKKEDCEYIIRKNDPAGKWNDDACKLAAALCYTA 158
Db 82 WVGVTQKPLTEAEKNWAPGEPNNNQKREDCEYIIRKNDKVDGKMNDRCKKLLALCYTA 141
QY 159 SCQPMWSCGHECEVLEIINNHCTNCVDGYGQCOLVQICEPLAEPLGTMDCTHPNGFS 218

```

Db	142	ACTNTSCSGHGCVEVTINNTYTCGDCDPGRSGLKCEQIVNCTALBEPHGLSVLCISHPIDNFS	201
Qy	219	FSSQCAFSCSEBTNLTGLEFTTCGFGWSSPEPTCOVIOCEPLSAPDLGIMNCSPHLAS	278
Db	202	YNSSCISICDRDYPTSSMETKQCSSGCMSPADPACNVNECDATVPANGAEVCECFONPGS	261
Qy	279	FSETSACFPICSEGTPELIGKKTKTICSEGIANSPIQO	317
Db	262	PFMNNTCTFFDEEGFELMGASLOCTSSGNDNNEPKPC	300

```

RESULT 11
US-09-209-668-19
; Sequence 19, Application US/09209668A
; Patent No. 6114517
; GENERAL INFORMATION:
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: METHODS OF MODULATING TUMOR NECROSIS FACTOR
; TITLE OF INVENTION: alpha-INDUCED EXPRESSION OF CELL ADHESION MOLECULES
; FILE REFERENCE: ISPH-0336
; CURRENT APPLICATION NUMBER: US/09/209,668A
; CURRENT FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 610
; TYPE: prt
; ORGANISM: Homo sapiens
US-09-209-668-19

```

```

Query Match Similarity      40.7%; Score 862; DB 3; Length 610;
Best Local Similarity      52.0%; Pred. No.1.6e-70;
Matches 145; Conservative   41; Mismatches 93; Indels    0; Gaps    0.

Oy 39 WTYHYSEKPMNOMRARRFCRDNYTDLVAIONAEIEYELEKTLPFSKSYWIGIRKGIM 98
   | : : : : : : : : : : | : | : | : | : | : | : | : | : | : | : |
Db 22 WSNYNSTEMNTYDEASATCOQQRYYTHLVALQNKKEIEIYLNSILSYSRYWIGIRKNWNW 81
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Oy 99 TWVGTKNSLTTEBAENMGDGEPPNNKKNEEDCBEIYITKRNDAGKMNDADCHKLKALCYTA 158
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 82 VWVGTGOKPLTEBAKNMAPEPNRRQKDCECVETIYIKREDOVMNMNDERSKKKLALCYTA 141
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Oy 159 SCQPMSCSGHGCVEIINNHTCNCDVGYGGPOQLYIOCEPLEAPBLGTMDCTHPGNFS 218
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 142 ACTNNTSCGHGECVEFINNYTCKCPBGFGSLCEQIVNCTALESPHGSLVCSHPLGNS 201
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Oy 219 FSSQAFSGSSETNLGTIEFTTCGPFGMNSSPEPICOVIQCERPLSPDGLGINCHPLAS 278
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 202 YNSSGISICDRYLDPSMETMQMSSGEMSAIPACNVCAVTNPANGFVECFQNPGS 261
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Oy 279 FSFTSACTFFICEGTTELIGKKTIKTESGIMVNPSPICO 317
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 262 PFMNTTCTFPDCBEGFELMGAGLSLOCTSSGMDNNEKPTCK 300
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 12
US-09-009-490A-89
; Sequence 89, Application US/09009490A
; Patent No. 6300491
; GENERAL INFORMATION:
; APPLICANT: Bennett and Mirabelli
; TITLE OF INVENTION: oligonucleotide Modulation
; TITLE OF INVENTION: of Cell Adhesion
; NUMBER OF SEQUENCES: 95
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Office of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA

```

```

;
; ZIP: 08053
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;
; COMPUTER: IBM PS/2
;
; OPERATING SYSTEM: Windows 95
;
; SOFTWARE: WORDPERFECT 6.0
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/09/009,490A
;
; FILING DATE: January 20, 1998
;
; CLASSIFICATION: 514
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 440,740
;
; FILING DATE: May 12, 1995
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 063,167
;
; FILING DATE: May 17, 1993
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 969,151
;
; FILING DATE: February 10, 1993
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 007,997
;
; FILING DATE: January 20, 1993
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 939,855
;
; FILING DATE: September 2, 1992
;
; PRIOR APPLICATION DATA:
;
; APPLICATION NUMBER: 567,286
;
; FILING DATE: August 14, 1990
;
; ATTORNEY/AGENT INFORMATION:
;
; NAME: Jane Massey Licata
;
; REGISTRATION NUMBER: 32,257
;
; REFERENCE/DOCKET NUMBER: ISPH-0268
;
; TELECOMMUNICATION INFORMATION:
;
; TELEPHONE: (609) 810-1515
;
; TELEFAX: (609) 810-1454
;
; INFORMATION FOR SEQ ID NO: 89:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 610
;
; TYPE: Amino Acid
;
; STRANDEDNESS: Single
;
; TOPOLOGY: Linear
;
; ANTI-SENSE: no
;
; US-09-009-490A-89

```

```

Query Match 40.7%; Score 862; DB 4; Length 610;
Best Local Similarity 52.0%; Pred. No. 1.6e-70;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;

QY 39 WYHSEKPMNORARCRDNYTLVAIQKAELEYLEKTLPSRSTYWGIRKIGIW 98
DB 22 WSYNSTEAMTYDEASAVCOQRYTHLVAIQNEELEYLNLSISPSYTWIGIRKVNWV 81
QY 99 TWVGTNKSLEAEENWGDGEPNNKKNKEDCEVEITYIKRKNKDGKNNDDACHKLKALCYTA 158
DB 82 VAVGTOKPLTEBAKMWAGEPNNRQKDEDCVEITYIKRKNKDGKNNDDACHKLKALCYTA 141
QY 159 SCQPMSCSGHGECEVEIINNHTCNCDDVGYGPGCOLVIOCEPLEAPELGTMDCTHPFGNFS 218
DB 142 ACTNNTSCGHGECVEITINNHTCNCDDVGYGPGCOLVIOCEPLEAPELGTMDCTHPFGNFS 201
QY 219 FSSQCAFSCSEGTNLGTLEETTCGFGWSSPEPCOYIOCEPLASAPDLGIMNCSHPLAS 278
DB 202 YNNSCSISCDRGYLPSSMETQCMSSGEMSAPIPCANVVECDAVTNPANGFVECFQNPBS 261
QY 279 FSTSACTFICSEGTGLGKKTICSSGIMSNPSPIQ 317
DB 262 FPMWNTCTFDEBGEFLMGASLOCTSSGNDNEKPTCK 300

```

```

;
; APPLICANT: HESSION, CATHERINE A.; LOBB, ROY R.; GOELZ, SUSAN E.
;
; TITLE OF INVENTION: MONOCLONAL ANTIBODIES AGAINST CDX
;
; NUMBER OF SEQUENCES: 4
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/07/345,151
;
; FILING DATE: 28-APR-1989
;
; SEQ ID NO: 2
;
; LENGTH: 610
;
; 5217870-2

```

Query Match 40.7%; Score 862; DB 6; Length 610;  
Best Local Similarity 52.0%; Pred. No. 1.6e-70;  
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;

```

QY 39 WYHSEKPMNORARCRDNYTLVAIQKAELEYLEKTLPSRSTYWGIRKIGIW 98
DB 22 WSYNSTEAMTYDEASAVCOQRYTHLVAIQNEELEYLNLSISPSYTWIGIRKVNWV 81
QY 99 TWVGTNKSLEAEENWGDGEPNNKKNKEDCEVEITYIKRKNKDGKNNDDACHKLKALCYTA 158
DB 82 VAVGTOKPLTEBAKMWAGEPNNRQKDEDCVEITYIKRKNKDGKNNDDACHKLKALCYTA 141
QY 159 SCQPMSCSGHGECEVEIINNHTCNCDDVGYGPGCOLVIOCEPLEAPELGTMDCTHPFGNFS 218
DB 142 ACTNNTSCGHGECVEITINNHTCNCDDVGYGPGCOLVIOCEPLEAPELGTMDCTHPFGNFS 201
QY 219 FSSQCAFSCSEGTNLGTLEETTCGFGWSSPEPCOYIOCEPLASAPDLGIMNCSHPLAS 278
DB 202 YNNSCSISCDRGYLPSSMETQCMSSGEMSAPIPCANVVECDAVTNPANGFVECFQNPBS 261
QY 279 FSTSACTFICSEGTGLGKKTICSSGIMSNPSPIQ 317
DB 262 FPMWNTCTFDEBGEFLMGASLOCTSSGNDNEKPTCK 300

```

RESULT 14  
US-08-252-493C-9  
Sequence 9, Application US/08252493C  
Patent No. 5891645  
GENERAL INFORMATION:  
APPLICANT: Rollins, Scott  
APPLICANT: Rother, Russell P.  
APPLICANT: Evans, Mark J.  
APPLICANT: Mattis, Louis A.  
TITLE OF INVENTION: PORCINE E-SELECTIN  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Seth A. Fidel  
STREET: 25 Science Park, Box 15  
CITY: New Haven  
STATE: Connecticut  
COUNTRY: USA  
ZIP: 06511  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 750 KB storage  
COMPUTER: PC compatible  
OPERATING SYSTEM: DOS 6.2  
SOFTWARE: Wordperfect 6.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/252,493C  
FILING DATE: June 1, 1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Fidel, Seth A.  
REGISTRATION NUMBER: 38,449  
REFERENCE/DOCKET NUMBER: ALX-138  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (203) 776-1790  
TELEFAX: (203) 772-3655

```

; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 484 amino acids
; TYPE: amino acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: cDNA to mRNA
; DESCRIPTION: predicted amino acid sequence of
; PORCINE E-selectin
US-08-252-493C-9

```

```

Query Match          38.5%; Score 814.5; DB 2; Length 484;
Best Local Similarity 36.1%; Pred. No. 2.6e-66;
Matches 159; Conservative 55; Mismatches 109; Indels 117; Gaps 7;

```

```

QY 39 WTYHYSEKPMNMQARREFCRDNYDVAIQKAEIEYLEKTLPPSRSYWIGIKKIGIW 98
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 23 WSYASSTETMTFDASAYCOQRYTHLVAIONHAEIEYLNSTFNYSASYWIGIKKINGTW 82
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 99 TWGTNKLSTLEAEENMGDGEPPNNKKNEKDCVEIYIKRNKDGAKYNDACCHKLKAALCYTA 158
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 83 TWIGTKALPPEATNMAPGEPPNNKQSNEDCVEIYIKRDKDSGKWNDRCSKKLALCYTA 142
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 159 SCQPMSCSGHGEVEIINNHTCNCNDVGYGPOCOLVIOCEPLAEPLGTMDCT----- 211
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 143 ACTPTSCSGHGECEIETINSTCCQYPGFRGLQCEQVVECDALENPVNGVYTGPQSLPMT 202
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 212 -----HP-----FGNFS 218
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 203 TCFAEKEGFEELIGPEHLQCTSSGSGMDKKPTCKAVTCDYVGHQNDVSCNHSIGFEFA 262
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 219 FSSQCAFSCSEGINLTGIEETTCGPFGNWSSPEPTCOVIOCEPLSADDLGIMNCSH-PLA 277
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 263 YKSTCHFTCAEGFGLQCPAIECTAOGQWTOQAVCAVKCPAVSOPKNGLVKFTHSPTG 322
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 278 SFSTSACTFICSGTELLIGKKKTCSSGIMSNPSPICO-----KLDKFSMKEGD 330
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 323 EFTYKSSCAFCSEGBFELRSGAQLACTSQGQWQDEVPSQVYQCSSLEVPREIMSCSGE 382
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 331 YNPLF-----IPVAVNYTA----- 344
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 383 --PVFGAVCTFACPEGMNLNGSVALTGCGATGHWGMLPTCEAPAESKITPLAMGLAAGVS 440
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 345 -FSGLAFTIWLARRLKKGKK 363
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 441 FMTSASFLLMLKRLRRRAK 460
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT 15
US-09-276-197-9
; Sequence 9, Application US/09276197
; Patent No. 6040428

```

```

; GENERAL INFORMATION:
; APPLICANT: Rollins, Scott
; APPLICANT: Rother, Russell P.
; APPLICANT: Evans, Mark J.
; APPLICANT: Matlis, Louis A.
; TITLE OF INVENTION: PORCINE E-SELECTIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seth A. Fidel
; STREET: 25 Science Park, Box 15
; CITY: New Haven
; STATE: Connecticut
; COUNTRY: USA
; ZIP: 06511
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 750 KB storage
; COMPUTER: PC compatible
; OPERATING SYSTEM: DOS 6.2
; SOFTWARE: Wordperfect 6.0
; CURRENT APPLICATION DATA:

```

```

; APPLICATION NUMBER: US/09/276,197
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/252,493
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fidel, Seth A.
; REGISTRATION NUMBER: 38,449
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (203) 776-1790
; TELEFAX: (203) 772-3655
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 484 amino acids
; TYPE: amino acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: cDNA to mRNA
; DESCRIPTION: predicted amino acid sequence of
; PORCINE E-selectin
US-09-276-197-9

```

```

Query Match          38.5%; Score 814.5; DB 3; Length 484;
Best Local Similarity 36.1%; Pred. No. 2.6e-66;
Matches 159; Conservative 55; Mismatches 109; Indels 117; Gaps 7;

```

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QY 39 WTYHYSEKPMNMQARREFCRDNYDVAIQKAEIEYLEKTLPPSRSYWIGIKKIGIW 98
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 23 WSYASSTETMTFDASAYCOQRYTHLVAIONHAEIEYLNSTFNYSASYWIGIKKINGTW 82
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 99 TWGTNKLSTLEAEENMGDGEPPNNKKNEKDCVEIYIKRNKDGAKYNDACCHKLKAALCYTA 158
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 83 TWIGTKALPPEATNMAPGEPPNNKQSNEDCVEIYIKRDKDSGKWNDRCSKKLALCYTA 142
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 159 SCQPMSCSGHGEVEIINNHTCNCNDVGYGPOCOLVIOCEPLAEPLGTMDCT----- 211
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 143 ACTPTSCSGHGECEIETINSTCCQYPGFRGLQCEQVVECDALENPVNGVYTGPQSLPMT 202
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 212 -----HP-----FGNFS 218
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 203 TCFAEKEGFEELIGPEHLQCTSSGSGMDKKPTCKAVTCDYVGHQNDVSCNHSIGFEFA 262
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 219 FSSQCAFSCSEGINLTGIEETTCGPFGNWSSPEPTCOVIOCEPLSADDLGIMNCSH-PLA 277
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 263 YKSTCHFTCAEGFGLQCPAIECTAOGQWTOQAVCAVKCPAVSOPKNGLVKFTHSPTG 322
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 278 SFSTSACTFICSGTELLIGKKKTCSSGIMSNPSPICO-----KLDKFSMKEGD 330
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 323 EFTYKSSCAFCSEGBFELRSGAQLACTSQGQWQDEVPSQVYQCSSLEVPREIMSCSGE 382
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 331 YNPLF-----IPVAVNYTA----- 344
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 383 --PVFGAVCTFACPEGMNLNGSVALTGCGATGHWGMLPTCEAPAESKITPLAMGLAAGVS 440
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 345 -FSGLAFTIWLARRLKKGKK 363
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 441 FMTSASFLLMLKRLRRRAK 460
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

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```

RESULT 16
US-08-274-661B-38
; Sequence 38, Application US/08274661B
; Patent No. 5593882

```

```

; GENERAL INFORMATION:
; APPLICANT: Erbe, David V.
; APPLICANT: Lasky, Laurence A.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Selectin Variants
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:

```

```

1 ADDRESS: Genentech, Inc.
2 STREET: 460 Point San Bruno Blvd
3 CITY: South San Francisco
4 STATE: California
5 COUNTRY: USA
6 ZIP: 94080
7
8 COMPUTER READABLE FORM:
9 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
10 COMPUTER: IBM PC compatible
11 OPERATING SYSTEM: PC-DOS/MS-DOS
12 SOFTWARE: WinPatIn (Genentech)
13
14 CURRENT APPLICATION DATA:
15 APPLICATION NUMBER: US/08/274,661B
16 FILING DATE: 13-Jul-1994
17 CLASSIFICATION: 424
18
19 PRIOR APPLICATION DATA:
20 APPLICATION NUMBER: 07/956701
21 FILING DATE: 10/01/1992
22 ATTORNEY/AGENT INFORMATION:
23 NAME: Dreger, Ginger R.
24 REGISTRATION NUMBER: 33,055
25 REFERENCE/DOCKET NUMBER: 761P1C1
26
27 TELECOMMUNICATION INFORMATION:
28 TELEPHONE: 415/225-3216
29 TELEFAX: 415/952-9881
30
31 TELEX: 910/371-7168
32
33 INFORMATION FOR SEQ ID NO: 38:
34
35 SEQUENCE CHARACTERISTICS:
36 LENGTH: 117 amino acids
37 TYPE: Amino Acid
38 TOPOLOGY: Linear
39
40 US-08-274-661B-38
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? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/008,459
? FILING DATE: 25-JAN-1993
? ATTORNEY/AGENT INFORMATION:
? NAME: Gunnison Jane
? REGISTRATION NUMBER: 38,479
? REFERENCE/DOCKET NUMBER: CG-104 CONN
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 212-596-9000
? TELEFAX: 212-596-9090
? INFORMATION FOR SEQ ID NO: 14:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 119 amino acids
? TYPE: amino acid
? STRANDEDNESS:
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? UNRESOLVED RESIDUES:
? IS-08-340-539A-14

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**Query Match**      27.7%; Score 587; DB 1; Length 119;  
**Best Local Similarity**    82.4%; Pred. No. 2.4e-46;  
Matches     98; Conservative     12; Mismatches     9; Indels         0; Gaps             0;

DY          39 WTYHSEKPMWQARARECRDNYTDLVALIONKAETLEYEKLTPFSRSYYWTGIRGGIW 98  
|||||::|||:|||::|||::|||::|||::|||::|||::|||::|||::|||:  
DB          1 WTYSKRPRMPEWEKRAFCREMYTDLVALONKGELIYLNTKPFRFRTYTWWIGIRVEGV 60  
|||||NKSLTEAEHWGCGEPPNNKKNEEDCYEIYIKRKNDAGRWNDDXCHKILAACT 157  
61 TWVGNKSLETEAKNMGAGEPNNRRSKDECVYEIIYIKRNKDGSKMWDACHAKTAALCMT 119

RESULT    18  
US-08-340-539A-12  
Sequence 12, Application US/08340539A  
Patent No. 5808025  
GENERAL INFORMATION:  
APPLICANT: Tedder, Thomas F.  
APPlicant: Kansas, Geoffrey S.  
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULANEOUS  
BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
NUMBER OF SEQUENCES: 28  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PISH & NEAVE  
STREET: 1251 Avenue of the Americas  
City: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10020  
COMPUTER READABLE FORM:  
MEDium TYPE: Floppy disk  
COMPUter: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/340,539A  
FILING DATE: 16-Nov-1994  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/008,459  
FILING DATE: 25-Jan-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Gunnison, Jane  
REGISTRATION NUMBER: 38,479  
REFERENCE/DOCKET NUMBER: CG-104 CON  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-596-9000  
TELEFAX: 212-596-9090  
INFORMATION FOR SEQ. ID NO.: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 119 amino acids  
TYPE: amino acid



RESULT 23  
US-08-340-539A-17  
; Sequence 17, Application US/08340539A  
; Patent No. 5808025

RESULT 24  
US-08-340-539A-16  
Sequence 16, Application US/08340539A  
Patent No. 5808025  
GENERAL INFORMATION:  
APPLICANT: Tedder, Thomas F.  
APPLICANT: Kansas, Geoffrey S.  
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
NUMBER OF SEQUENCES: 28  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FISH & NEAVE  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10020  
COMPUTER READABLE FORM:





Best Local Similarity 64.2%; Pred. No. 7.6e-34;  
Matches 77; Conservative 13; Mismatches 30; Indels 0; Gaps 0;

QY 39 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLFPSRSYWGIRKIGTW 98  
| | | | | : | : | : | | | | | | | | | : | | | | | : |  
Db 1 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLFPSRSYWGIRKIGTW 60  
| | | | | : | : | : | | | | | | | | | : | | | | | : |  
QY 99 TWGINKSLTEAEANWGDGPEPNKKKEDCVEIYIKRNKDGKWNDAKHLKALCYTA 158  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : |  
Db 61 TWGINKSLTEAEANWGDGPEPNKKKEDCVEIYIKRNKDGKWNDAKHLKALCYTA 120  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : |

## RESULT 27

US-08-274-661B-39  
; Sequence 39, Application US/08274661B  
; Patent No. 5593882  
; GENERAL INFORMATION:  
; APPLICANT: Erbe, David V.  
; APPLICANT: Lasky, Laurence A.  
; APPLICANT: Presta, Leonard G.  
; TITLE OF INVENTION: Selectin Variants  
; NUMBER OF SEQUENCES: 39  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/274,661B  
; FILING DATE: 13-Jul-1994  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/956701  
; FILING DATE: 10/01/1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dregler, Ginger R.  
; REGISTRATION NUMBER: 33,055  
; REFERENCE/DOCKET NUMBER: 761P1C1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-3216  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 39:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 117 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
; US-08-274-661B-39

Query Match 21.0%; Score 445; DB 1; Length 117;  
Best Local Similarity 65.8%; Pred. No. 2.1e-33;  
Matches 77; Conservative 11; Mismatches 29; Indels 0; Gaps 0;

QY 39 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLFPSRSYWGIRKIGTW 98  
| | | | | : | : | : | | | | | | | | | : | | | | | : |  
Db 1 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLFPSRSYWGIRKIGTW 60  
| | | | | : | : | : | | | | | | | | | : | | | | | : |  
QY 99 TWGINKSLTEAEANWGDGPEPNKKKEDCVEIYIKRNKDGKWNDAKHLKALCYTA 155  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : |  
Db 61 TWGINKSLTEAEANWGDGPEPNKKKEDCVEIYIKRNKDGKWNDAKHLKALCYTA 117  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : |

RESULT 28  
US-08-274-661B-36  
; Sequence 36, Application US/08274661B

Patent No. 5593882  
; GENERAL INFORMATION:

; APPLICANT: Erbe, David V.  
; APPLICANT: Lasky, Laurence A.  
; APPLICANT: Presta, Leonard G.  
; TITLE OF INVENTION: Selectin Variants  
; NUMBER OF SEQUENCES: 39  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Winpatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/274,661B  
; FILING DATE: 13-Jul-1994  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/956701  
; FILING DATE: 10/01/1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dregler, Ginger R.  
; REGISTRATION NUMBER: 33,055  
; REFERENCE/DOCKET NUMBER: 761P1C1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-3216  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 36:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 120 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
; US-08-274-661B-36

Query Match 20.4%; Score 431; DB 1; Length 120;  
Best Local Similarity 61.7%; Pred. No. 4.1e-32;  
Matches 74; Conservative 13; Mismatches 33; Indels 0; Gaps 0;

QY 39 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLFPSRSYWGIRKIGTW 98  
| | | | | : | : | : | | | | | | | | | : | | | | | : |  
Db 1 WTHYSEKPMNQRARPCRDNTDLVAIONKAEIYLEKTLFPSRSYWGIRKIGTW 60  
| | | | | : | : | : | | | | | | | | | : | | | | | : |  
QY 99 TWGINKSLTEAEANWGDGPEPNKKKEDCVEIYIKRNKDGKWNDAKHLKALCYTA 158  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : |  
Db 61 TWGINKSLTEAEANWGDGPEPNKKKEDCVEIYIKRNKDGKWNDAKHLKALCYTA 120  
| | | | | : | | | | | : | | | | | : | | | | | : | | | | | : |

## RESULT 29

US-08-340-539A-15  
; Sequence 15, Application US/08340539A  
; Patent No. 5808025  
; GENERAL INFORMATION:  
; APPLICANT: Tedder, Thomas F.  
; APPLICANT: Kansas, Geoffrey S.  
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FISH & NEAVE  
; STREET: 1251 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10020  
; COMPUTER READABLE FORM:



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; COUNTRY: USA
; ZIP: 10020
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,539A
; FILING DATE: 16-NOV-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/008,459
; FILING DATE: 25-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Gunnison, Jane
; REGISTRATION NUMBER: 38,479
; REFERENCE/DOCKET NUMBER: CG-104 CON
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-596-9000
; TELEFAX: 212-596-9090
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-340-539A-22

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Query Match          9.4%; Score 199; DB 1; Length 36;
Best Local Similarity 82.9%; Pred. No. 1,3e-11;
Matches 29; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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QY 158 ASQPMSCSGHGCVEIINNHHCNCVGYGPOCQ 192
Db 1 ASCKPMSCSGHGCVEIINNYTCNCGLGYGPECCQ 35

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RESULT 33
US-08-296-014A-4
; Sequence 4, Application US/08296014A
; Patent No. 5716834
; GENERAL INFORMATION:
; APPLICANT: Ding, Jeak Ling
; APPLICANT: Ho, Bow
; TITLE OF INVENTION: The Cloned Factor C cDNA of the
; TITLE OF INVENTION: Singapore Horseshoe Crab, Carcinoscopus
; TITLE OF INVENTION: rotundicauda and Purification of Factor C Proenzyme
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22042
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/296,014A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy, Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 1781-105P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000

```

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; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1019 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-296-014A-4

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Query Match          9.0%; Score 189.5; DB 1; Length 1019;
Best Local Similarity 29.3%; Pred. No. 7e-09;
Matches 54; Conservative 26; Mismatches 83; Indels 21; Gaps 9;

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QY 147 CHTKRALCYTASCP-----MSCSGHGCVE--IINNH--CNCDDVGYGPOCQVITQC 197
Db 84 CQCKKAGLDCVYCPENKXGTW--CSGECCKNGKICDPTGACACRDYEGVHCILKGC 142
QY 198 EPLEAPELGTMCTHPFGNFSFSSOCAFSCSEGTNLTGIEETTCGPGNWSPEPTQVI 257
Db 143 -PLPBSDQVQVYRNPDPN---PQTIIDYSCSPGFLKGMARISCLPQOWSNFPPKC-IR 197
QY 258 QCEPLSAPDLGIMNCSHPLASFSTACT--FICSEGTLLGKKKTCSSGQIWSNPSP 315
Db 198 ECAMWSPPEHKKVNA---LSGDMIEGATLRFSCDSPYLLGQETTLTQGGNGQNWGQIPQ 253
QY 316 CQKL 319
Db 254 CKNL 257

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RESULT 34
US-08-596-405-4
; Sequence 4, Application US/08596405
; Patent No. 5858706
; GENERAL INFORMATION:
; APPLICANT: Ding, Jeak Ling
; APPLICANT: Ho, Bow
; TITLE OF INVENTION: The Cloned Factor C cDNA of the
; TITLE OF INVENTION: Singapore Horseshoe Crab, Carcinoscopus
; TITLE OF INVENTION: rotundicauda and Purification of Factor C Proenzyme
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Birch, Stewart, Kolasch & Birch
; STREET: 8110 Gatehouse Road, Suite 500 East
; CITY: Falls Church
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22042
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/596,405
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy, Jr., Gerald M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 1781-105P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; TELEX: 248345
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1019 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

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Db 207 -PLIPSDSQVEVRNPDPN---POTIDYSCSPGFKLGKMARISCLPNCQMSNPFPKC-IR 261  
 QY 258 QCEPLAPDLGIMNCSPHPLASFSTACT--FICSEGTGLGKKTICSSGIMNSPI 315  
 Db 262 ECAMVSSPEHGKVN-----LSGDMIEGATLRFSCDSPYLLIGQETLTCQNGQWNGQIQ 317  
 QY 316 CQKL 319  
 Db 318 CKNL 321

RESULT 37  
 US-08-596-405-2  
 ; Sequence 2, Application US/08596405  
 ; Patent No. 5858706  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ding, Jeak Ling  
 ; APPLICANT: Ho, Bow  
 ; TITLE OF INVENTION: The Cloned Factor C cDNA of the  
 ; TITLE OF INVENTION: Singapore Horseshoe Crab, Carcinoscopus  
 ; TITLE OF INVENTION: rotundicauda and Purification of Factor C Proenzyme  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Birch, Stewart, Kolasch & Birch  
 ; STREET: 8110 Gatehouse Road, Suite 500 East  
 ; CITY: Falls Church  
 ; STATE: Virginia  
 ; COUNTRY: USA  
 ; ZIP: 22042  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/596,405  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Murphy, Jr., Gerald M.  
 ; REGISTRATION NUMBER: 28,977  
 ; REFERENCE/DOCKET NUMBER: 1781-105P  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (703) 205-8000  
 ; TELEFAX: (703) 205-8050  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1083 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-596-405-2

Query Match 9.0%; Score 189.5; DB 2; Length 1083;  
 Best Local Similarity 29.3%; Pred. No. 7.6e-09;  
 Matches 54; Conservative 26; Mismatches 83; Indels 21; Gaps 9;

QY 147 CHKLAALCYTASCP-----WSCSGHGECVE--IINNHT--CNCDDVGYGPOCOLVIOC 197  
 Db 148 CQCKAGLSDCVTCPPNKGTV--CSGECQCKNGIGICDQRTGACACRDRYEGVHCETILKGC 206  
 QY 198 EPLAPDLGIMNCSPHPLASFSTACT--FICSEGTGLGKKTICSSGIMNSPI 315  
 Db 207 -PLIPSDSQVEVRNPDPN---POTIDYSCSPGFKLGKMARISCLPNCQMSNPFPKC-IR 261  
 QY 258 QCEPLAPDLGIMNCSPHPLASFSTACT--FICSEGTGLGKKTICSSGIMNSPI 315  
 Db 262 ECAMVSSPEHGKVN-----LSGDMIEGATLRFSCDSPYLLIGQETLTCQNGQWNGQIQ 317  
 QY 316 CQKL 319  
 Db 318 CKNL 321

Db 318 CKNL 321

RESULT 38  
 US-08-877-620-2  
 ; Sequence 2, Application US/08877620  
 ; Patent No. 5985590  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ding, Jeak Ling  
 ; APPLICANT: Ho, Bow  
 ; TITLE OF INVENTION: The Cloned Factor C cDNA of the  
 ; TITLE OF INVENTION: Singapore Horseshoe Crab, Carcinoscopus  
 ; TITLE OF INVENTION: rotundicauda and Purification of Factor C Proenzyme  
 ; NUMBER OF SEQUENCES: 4  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Birch, Stewart, Kolasch & Birch  
 ; STREET: 8110 Gatehouse Road, Suite 500 East  
 ; CITY: Falls Church  
 ; STATE: Virginia  
 ; COUNTRY: USA  
 ; ZIP: 22042  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/877,620  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/596,405  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Murphy, Jr., Gerald M.  
 ; REGISTRATION NUMBER: 28,977  
 ; REFERENCE/DOCKET NUMBER: 1781-105P  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (703) 205-8000  
 ; TELEFAX: (703) 205-8050  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1083 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-877-620-2

Query Match 9.0%; Score 189.5; DB 2; Length 1083;  
 Best Local Similarity 29.3%; Pred. No. 7.6e-09;  
 Matches 54; Conservative 26; Mismatches 83; Indels 21; Gaps 9;

QY 147 CHKLAALCYTASCP-----WSCSGHGECVE--IINNHT--CNCDDVGYGPOCOLVIOC 197  
 Db 148 CQCKAGLSDCVTCPPNKGTV--CSGECQCKNGIGICDQRTGACACRDRYEGVHCETILKGC 206  
 QY 198 EPLAPDLGIMNCSPHPLASFSTACT--FICSEGTGLGKKTICSSGIMNSPI 315  
 Db 207 -PLIPSDSQVEVRNPDPN---POTIDYSCSPGFKLGKMARISCLPNCQMSNPFPKC-IR 261  
 QY 258 QCEPLAPDLGIMNCSPHPLASFSTACT--FICSEGTGLGKKTICSSGIMNSPI 315  
 Db 262 ECAMVSSPEHGKVN-----LSGDMIEGATLRFSCDSPYLLIGQETLTCQNGQWNGQIQ 317  
 QY 316 CQKL 319  
 Db 318 CKNL 321

RESULT 39  
 US-08-824-692-23



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GenCore version 4.5  
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 4, 2002, 08:34:54 : Search time 36.29 seconds  
(without alignments)  
2521.062 Million cell updates/sec

Title: US-09-119-209-2

Perfect score: 2116  
Sequence: 1 MIFPMKCGSTGRDLNINIFKL.....WLAARLKGGKSKSRMNDPY 372

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 763338 seqs, 245939087 residues

Total number of hits satisfying chosen parameters: 763338

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Pending\_Patents\_AA\_New:\*  
1: /cgn2\_6/ptodata/2/paa/PCF\_NEW\_COMB.pep:\*  
2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pep:\*  
3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2110	99.7	372	5	US-09-791-537-152667 Sequence 152667, A
2	2094	99.0	372	5	US-09-791-537-84593 Sequence 84593, A
3	2090	98.8	372	5	US-09-791-537-22816 Sequence 22816, A
4	2090	98.8	372	5	US-09-791-537-51381 Sequence 51381, A
5	2085	98.5	372	5	US-09-791-537-42657 Sequence 42657, A
6	2076	98.4	372	5	US-09-791-537-113060 Sequence 113060, A
7	2076	98.1	372	5	US-09-791-537-69658 Sequence 69658, A
8	2062	98.1	372	5	US-09-791-537-53844 Sequence 53844, A
9	2062	97.4	372	5	US-09-791-537-42659 Sequence 42659, A
10	1996	94.3	372	5	US-09-791-537-42657 Sequence 42657, A
11	1992	94.1	372	5	US-09-791-537-42658 Sequence 42658, A
12	1871.5	88.4	372	5	US-09-791-537-58446 Sequence 58446, A
13	1807	85.4	372	5	US-10-212-054-1171 Sequence 1171, A
14	1807	85.4	372	5	US-10-212-054-1328 Sequence 1328, A
15	1807	85.4	372	5	US-10-212-054-1158 Sequence 1158, A
16	1796	84.9	372	5	US-09-791-537-132144 Sequence 132144, A
17	1682	79.5	372	5	US-09-791-537-50403 Sequence 50403, A
18	1660	78.4	372	5	US-09-791-537-6693 Sequence 6693, A
19	1653	78.1	372	5	US-09-791-537-81233 Sequence 81233, A
20	1652	78.1	372	5	US-09-791-537-53485 Sequence 53485, A
21	1651	78.0	372	5	US-09-791-537-37750 Sequence 37750, A
22	1606	75.9	372	5	US-09-791-537-60503 Sequence 60503, A
23	999	47.2	184	6	US-10-212-054-1437 Sequence 1437, A
24	919.5	43.5	769	5	US-09-791-537-50409 Sequence 50409, A
25	911	43.1	616	5	US-09-791-537-32025 Sequence 32025, A
26	909	43.0	740	5	US-09-791-537-32023 Sequence 32023, A

27	905	42.8	830	5	US-09-791-537-22819 Sequence 22819, A
28	905	42.8	830	5	US-09-791-537-35618 Sequence 35618, A
29	902.5	42.7	768	5	US-09-791-537-20989 Sequence 20989, A
30	902.5	42.7	768	5	US-09-791-537-37753 Sequence 37753, A
31	898	42.4	740	5	US-09-791-537-32024 Sequence 32024, A
32	894.5	42.3	646	5	US-09-791-537-84829 Sequence 84829, A
33	885	41.8	768	5	US-09-791-537-86038 Sequence 86038, A
34	884	41.8	754	5	US-09-791-537-14651 Sequence 14651, A
35	876.5	41.4	646	5	US-09-791-537-18300 Sequence 18300, A
36	862	40.7	610	5	US-09-791-537-357 Sequence 357, A
37	862	40.7	610	5	US-09-791-537-22813 Sequence 22813, A
38	862	40.7	610	5	US-09-791-537-121834 Sequence 121834, A
39	862	40.7	610	6	US-10-205-823-357 Sequence 357, App
40	861	40.7	551	5	US-09-791-537-44925 Sequence 44925, A
41	861	40.7	551	5	US-09-791-537-121836 Sequence 121836, A
42	860.5	40.7	649	5	US-09-791-537-93873 Sequence 93873, A
43	860	40.6	611	5	US-09-791-537-118878 Sequence 118878, A
44	858.5	40.6	549	5	US-09-791-537-50406 Sequence 50406, A
45	857	40.5	612	5	US-09-791-537-73416 Sequence 73416, A

## ALIGNMENTS

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RESULT 1
US-09-791-537-152667
: Sequence 152667, Application US/09791537
: GENERAL INFORMATION:
: APPLICANT: Biomimix, Inc.
: APPLICANT: Debe, Derek
: APPLICANT: Danzer, Joseph
: TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
: FILE REFERENCE: 261/210
: CURRENT FILING DATE: 2001-02-22
: NUMBER OF SEQ ID NOS: 153055
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 152667
: LENGTH: 372
: TYPE: PRT
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc-feature
: LOCATION: (11)..(11)
: OTHER INFORMATION: X is an unknown amino acid
US-09-791-537-152667

Query Match          99.7%  Score 2110; DB 5; Length 372;
Best Local Similarity 99.7%  Pred. No. 3.4e-134;
Matches 371; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MIFPMKCGSTGRDLNINIFKLGMWMLCDPLAHGTYCMTYHSKPMNORARFCRDN 60
Db 1 MIFPMKCGSTGRDLNINIFKLGMWMLCCDFLAHGTYYWTHYSKPMNORARFCRDN 60
QY 61 YTDVAIONKAEIELEKTLFSSRSYWIIGIRKIGITWVGTKNSLLEAENMDGEPN 120
Db 61 YTDVAIONKAEIELEKTLFSSRSYWIIGIRKIGITWVGTKNSLLEAENMDGEPN 120
QY 121 NKKKKECEVEIYIRKKNKAGKRWNDACIKLAALCYTASCPWSCSGHGECEVEIINNTTC 180
Db 121 NKKKKECEVEIYIRKKNKAGKRWNDACIKLAALCYTASCPWSCSGHGECEVEIINNTTC 180
QY 181 NCDVGYVPOCOVLVIOCEPLAPLGLTMDCTHPGNFSSQCAFSCSEGTNLGIEETT 240
Db 181 NCDVGYVPOCOVLVIOCEPLAPLGLTMDCTHPGNFSSQCAFSCSEGTNLGIEETT 240
QY 241 CGPFGNMSPPPTCOVIOQCEPLAPDLGIMNCSHPLASFSTACTFICSGTELIGKKK 300
Db 241 CGPFGNMSPPPTCOVIOQCEPLAPDLGIMNCSHPLASFSTACTFICSGTELIGKKK 300
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QY 301 TICESGSIWNSPPIQKLDKSFMSIKKEDYNPFIPIVAVWVTAFSGLAFITMLARLKK 360  
Db 301 TICESGSIWNSPPIQKLDKSFMSIKKEDYNPFIPIVAVWVTAFSGLAFITMLARLKK 360  
QY 361 GKSKRSMDPY 372  
Db 361 GKSKRSMDPY 372

## RESULT 2

US-09-791-537-84593  
; Sequence 84593, Application US/09791537  
; GENERAL INFORMATION:  
; APPLICANT: Bionomix, Inc.  
; APPLICANT: Debe, Derek  
; APPLICANT: Danzer, Joseph  
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS  
; TITLE OF INVENTION: METHODS OF USE THEREOF  
; FILE REFERENCE: 261/210  
; CURRENT APPLICATION NUMBER: US/09/791,537  
; CURRENT FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 153055  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 84593  
; LENGTH: 372  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-791-537-84593

Query Match Best Local Similarity 99.08%; Score 2094; DB 5; Length 372;  
Matches 369; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MIPPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 60  
Db 1 MIPPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 60  
QY 61 YTDLVAIONKAEIYLEKTLFPSRSYVWIGIRKIGITWVGTNKSLEAEANMGDGEPN 120  
Db 61 YTDLVAIONKAEIYLEKTLFPSRSYVWIGIRKIGITWVGTNKSLEAEANMGDGEPN 120  
QY 121 NKKNKEDCVEIYIKRNKDKGNWDACHKIKALCTYASCQPMSCSGHGECEIINNHTC 180  
Db 121 NKKNKEDCVEIYIKRNKDKGNWDACHKIKALCTYASCQPMSCSGHGECEIINNHTC 180  
QY 181 NCDVGYGPOCQVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240  
Db 181 NCDVGYGPOCQVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240  
QY 241 CGPFGWMSPEPTCOVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300  
Db 241 CGPFGWMSPEPTCOVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300  
QY 301 TICESGSIWNSPPIQKLDKSFMSIKKEDYNPFIPIVAVWVTAFSGLAFITMLARLKK 360  
Db 301 TICESGSIWNSPPIQKLDKSFMSIKKEDYNPFIPIVAVWVTAFSGLAFITMLARLKK 360  
QY 361 GKSKRSMDPY 372  
Db 361 GKSKRSMDPY 372

## RESULT 3

US-09-791-537-22816  
; Sequence 22816, Application US/09791537  
; GENERAL INFORMATION:  
; APPLICANT: Bionomix, Inc.  
; APPLICANT: Debe, Derek  
; APPLICANT: Danzer, Joseph  
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS  
; TITLE OF INVENTION: METHODS OF USE THEREOF  
; FILE REFERENCE: 261/210

; CURRENT APPLICATION NUMBER: US/09/791,537  
; CURRENT FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 153055  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 22816  
; LENGTH: 372  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-791-537-22816

Query Match Best Local Similarity 98.8%; Score 2090; DB 5; Length 372;  
Matches 368; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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Db 1 MIPPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 60  
QY 61 YTDLVAIONKAEIYLEKTLFPSRSYVWIGIRKIGITWVGTNKSLEAEANMGDGEPN 120  
Db 61 YTDLVAIONKAEIYLEKTLFPSRSYVWIGIRKIGITWVGTNKSLEAEANMGDGEPN 120  
QY 121 NKKNKEDCVEIYIKRNKDKGNWDACHKIKALCTYASCQPMSCSGHGECEIINNHTC 180  
Db 121 NKKNKEDCVEIYIKRNKDKGNWDACHKIKALCTYASCQPMSCSGHGECEIINNHTC 180  
QY 181 NCDVGYGPOCQVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240  
Db 181 NCDVGYGPOCQVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240  
QY 241 CGPFGWMSPEPTCOVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300  
Db 241 CGPFGWMSPEPTCOVIOCEPLAEPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300  
QY 301 TICESGSIWNSPPIQKLDKSFMSIKKEDYNPFIPIVAVWVTAFSGLAFITMLARLKK 360  
Db 301 TICESGSIWNSPPIQKLDKSFMSIKKEDYNPFIPIVAVWVTAFSGLAFITMLARLKK 360  
QY 361 GKSKRSMDPY 372  
Db 361 GKSKRSMDPY 372

## RESULT 4

US-09-791-537-51391  
; Sequence 51391, Application US/09791537  
; GENERAL INFORMATION:  
; APPLICANT: Bionomix, Inc.  
; APPLICANT: Debe, Derek  
; APPLICANT: Danzer, Joseph  
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS  
; TITLE OF INVENTION: METHODS OF USE THEREOF  
; FILE REFERENCE: 261/210  
; CURRENT APPLICATION NUMBER: US/09/791,537  
; CURRENT FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 153055  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 51391  
; LENGTH: 365  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-791-537-51391

Query Match Best Local Similarity 98.8%; Score 2090; DB 5; Length 365;  
Matches 368; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 MIPPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 60  
Db 14 MIPPMKQOSTORDLMNIFKLMGWTMLCCDPLAHGTCWTYHSEKPMNMQARRRCRDN 73



SOFTWARE: Patentin version 3.0  
; SEQ ID NO 69658  
; LENGTH: 372  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-791-537-69658

Query Match 98.1%; Score 2076; DB 5; Length 372;  
Best Local Similarity 98.1%; Pred. No. 6,6e-132;  
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGTGWTYHSYSEKPMQARARFCRDN 60  
DB 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGTGWTYHSYSEKPMQARARFCRDN 60  
QY 61 YTDLVAIONKAEIELEKTLPEFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120  
DB 61 YTDLVAIONKAEIELEKTLPEFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120  
QY 121 NKKNKEDCEVEIYIKRNKDGAKWMDACHKLAALCYTASQCPWSCSGHGECEVELINNHTC 180  
DB 121 NKKNKEDCEVEIYIKRNKDGAKWMDACHKLAALCYTASQCPWSCSGHGECEVELINNHTC 180  
QY 181 NCDVGYGGPQCQVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240  
DB 181 NCDVGYGGPQCQVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240  
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300  
DB 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300  
QY 301 TICSSGSIWNSPPIQOKLDFSMTKEGDYNPFLIPVAVMTAFSGLAFTIWLARLKK 360  
DB 301 TICSSGSIWNSPPIQOKLDFSMTKEGDYNPFLIPVAVMTAFSGLAFTIWLARLKK 360  
QY 361 GKSKRSNDPY 372  
DB 361 GKSKRSNDPY 372

RESULT 8  
US-09-791-537-53844

; Sequence 53844, Application US/09791537  
; GENERAL INFORMATION:  
; APPLICANT: Biomomix, Inc.  
; APPLICANT: Debe, Derek  
; APPLICANT: Danzer, Joseph  
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE  
; TITLE OF INVENTION: METHODS OF USE THEREOF  
; FILE REFERENCE: 261/210  
; CURRENT APPLICATION NUMBER: US/09/791,537  
; CURRENT FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 153055  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 53844  
; LENGTH: 385  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-791-537-53844

Query Match 98.1%; Score 2076; DB 5; Length 385;  
Best Local Similarity 98.1%; Pred. No. 6,8e-132;  
Matches 365; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGTGWTYHSYSEKPMQARARFCRDN 60  
DB 14 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGTGWTYHSYSEKPMQARARFCRDN 73  
QY 61 YTDLVAIONKAEIELEKTLPEFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120  
DB 74 YTDLVAIONKAEIELEKTLPEFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 133

QY 121 NKKNKEDCEVEIYIKRNKDGAKWMDACHKLAALCYTASQCPWSCSGHGECEVELINNHTC 180  
DB 134 NKKNKEDCEVEIYIKRNKDGAKWMDACHKLAALCYTASQCPWSCSGHGECEVELINNHTC 193  
QY 181 NCDVGYGGPQCQVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240  
DB 194 NCDVGYGGPQCQVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 253  
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300  
DB 254 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 313  
QY 301 TICSSGSIWNSPPIQOKLDFSMTKEGDYNPFLIPVAVMTAFSGLAFTIWLARLKK 360  
DB 314 TICSSGSIWNSPPIQOKLDFSMTKEGDYNPFLIPVAVMTAFSGLAFTIWLARLKK 373  
QY 361 GKSKRSNDPY 372  
DB 374 GKSKRSNDPY 385

RESULT 9  
US-09-791-537-42659

; Sequence 42659, Application US/09791537  
; GENERAL INFORMATION:  
; APPLICANT: Biomomix, Inc.  
; APPLICANT: Debe, Derek  
; APPLICANT: Danzer, Joseph  
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME  
; TITLE OF INVENTION: METHODS OF USE THEREOF  
; FILE REFERENCE: 261/210  
; CURRENT APPLICATION NUMBER: US/09/791,537  
; CURRENT FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 153055  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 42659  
; LENGTH: 372  
; TYPE: PRT  
; ORGANISM: Pongo pygmaeus  
US-09-791-537-42659

Query Match 97.4%; Score 2062; DB 5; Length 372;  
Best Local Similarity 97.6%; Pred. No. 5,8e-131;  
Matches 363; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGTGWTYHSYSEKPMQARARFCRDN 60  
DB 1 MIFPKCOSTORDLWNIKFLMGWMLCCDFLAHGTGWTYHSYSEKPMQARARFCRDN 60  
QY 61 YTDLVAIONKAEIELEKTLPEFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120  
DB 61 YTDLVAIONKAEIELEKTLPEFSRSYWIIGIRKIGITWVTGNTKSLTEAEENMGDGEPN 120  
QY 121 NKKNKEDCEVEIYIKRNKDGAKWMDACHKLAALCYTASQCPWSCSGHGECEVELINNHTC 180  
DB 121 NKKNKEDCEVEIYIKRNKDGAKWMDACHKLAALCYTASQCPWSCSGHGECEVELINNHTC 180  
QY 181 NCDVGYGGPQCQVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240  
DB 181 NCDVGYGGPQCQVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 240  
QY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300  
DB 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTACTFICSEGTTELIGKKK 300  
QY 301 TICSSGSIWNSPPIQOKLDFSMTKEGDYNPFLIPVAVMTAFSGLAFTIWLARLKK 360  
DB 301 TICSSGSIWNSPPIQOKLDFSMTKEGDYNPFLIPVAVMTAFSGLAFTIWLARLKK 360  
QY 361 GKSKRSNDPY 372  
DB 361 GKSKRSNDPY 372

Db 361 GKSKSKMDPY 372

RESULT 10  
US-09-791-537-42655 ; Sequence 42655, Application US/09791537

GENERAL INFORMATION:

APPLICANT: Bionomix, Inc.

APPLICANT: Debe, Derek

APPLICANT: Danzer, Joseph

TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB

TITLE OF INVENTION: METHODS OF USE THEREOF

FILE REFERENCE: 261/210

CURRENT APPLICATION NUMBER: US/09/791.537

CURRENT FILING DATE: 2001-02-22

NUMBER OF SEQ ID NOS: 153055

SOFTWARE: PatentIn version 3.0

SEQ ID NO 42655

LENGTH: 372

TYPE: PRT

ORGANISM: Macaca mulatta

Query Match 94.3%; Score 1996; DB 5; Length 372;  
Best Local Similarity 93.8%; Pred. No. 1.6e-126;  
Matches 349; Conservative 13; Mismatches 10; Indels 0; Gaps 0;

QY 1 MIFPWKOSTORDLNIIFKLMGWTMLCCDFLAHHGTYCWTYHYSEKPMNMRARFCRDN 60  
Db 1 MIFRWKOSTORDLNIIFKLMGWTMLCCDFLAHHGTYCWTYHYSEKPMNMRARFCRDN 60  
QY 61 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 120  
Db 61 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 120  
QY 121 NKKKEDCEVEIYIRKNDAGKWDACHKRLAALCYTASCPWSCSGHGECEVEIINNHTC 180  
Db 121 NKKKEDCEVEIYIRKNDAGKWDACHKRLAALCYTASCPWSCSGHGECEVEIINNHTC 180  
QY 181 NCDVGYGPOQVIOCEPLAPDLGIMNCSPHLSFSTACTFCSGTELGIEETT 240  
Db 181 NCDVGYGPOQVIOCEPLAPDLGIMNCSPHLSFSTACTFCSGTELGIEETT 240  
QY 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHLSFSTACTFCSGTELGIEETT 300  
Db 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHLSFSTACTFCSGTELGIEETT 300  
QY 301 TICSSGIMSNPPIQCKLDRSFSMIKEGDYNPLFIPIVAVVTAFSGLAFIIMLARLKK 360  
Db 301 TICSSGIMSNPPIQCKLDRSFSMIKEGDYNPLFIPIVAVVTAFSGLAFIIMLARLKK 360  
QY 361 GKSKSKMDPY 372  
Db 361 GKSKSKMDPY 372

RESULT 11

US-09-791-537-42658

Sequence 42658, Application US/09791537

GENERAL INFORMATION:

APPLICANT: Bionomix, Inc.

APPLICANT: Debe, Derek

APPLICANT: Danzer, Joseph

TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB

TITLE OF INVENTION: METHODS OF USE THEREOF

FILE REFERENCE: 261/210

CURRENT APPLICATION NUMBER: US/09/791.537

CURRENT FILING DATE: 2001-02-22

NUMBER OF SEQ ID NOS: 153055

SOFTWARE: PatentIn version 3.0

SEQ ID NO 42658

LENGTH: 372

TYPE: PRT  
ORGANISM: Papio hamadryas  
US-09-791-537-42658

Query Match 94.1%; Score 1992; DB 5; Length 372;  
Best Local Similarity 93.5%; Pred. No. 2.9e-126;  
Matches 348; Conservative 14; Mismatches 10; Indels 0; Gaps 0;

QY 1 MIFPWKOSTORDLNIIFKLMGWTMLCCDFLAHHGTYCWTYHYSEKPMNMRARFCRDN 60  
Db 1 MIFRWKOSTORDLNIIFKLMGWTMLCCDFLAHHGTYCWTYHYSEKPMNMRARFCRDN 60  
QY 61 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 120  
Db 61 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 120  
QY 121 NKKKEDCEVEIYIRKNDAGKWDACHKRLAALCYTASCPWSCSGHGECEVEIINNHTC 180  
Db 121 NKKKEDCEVEIYIRKNDAGKWDACHKRLAALCYTASCPWSCSGHGECEVEIINNHTC 180  
QY 181 NCDVGYGPOQVIOCEPLAPDLGIMNCSPHLSFSTACTFCSGTELGIEETT 240  
Db 181 NCDVGYGPOQVIOCEPLAPDLGIMNCSPHLSFSTACTFCSGTELGIEETT 240  
QY 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHLSFSTACTFCSGTELGIEETT 300  
Db 241 CGPFGNMSPEPTCOVIOCEPLAPDLGIMNCSPHLSFSTACTFCSGTELGIEETT 300  
QY 301 TICSSGIMSNPPIQCKLDRSFSMIKEGDYNPLFIPIVAVVTAFSGLAFIIMLARLKK 360  
Db 301 TICSSGIMSNPPIQCKLDRSFSMIKEGDYNPLFIPIVAVVTAFSGLAFIIMLARLKK 360  
QY 361 GKSKSKMDPY 372  
Db 361 GKSKSKMDPY 372

RESULT 12

US-09-791-537-58446

Sequence 58446, Application US/09791537

GENERAL INFORMATION:

APPLICANT: Bionomix, Inc.

APPLICANT: Debe, Derek

APPLICANT: Danzer, Joseph

TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME

TITLE OF INVENTION: METHODS OF USE THEREOF

FILE REFERENCE: 261/210

CURRENT APPLICATION NUMBER: US/09/791.537

CURRENT FILING DATE: 2001-02-22

NUMBER OF SEQ ID NOS: 153055

SOFTWARE: PatentIn version 3.0

SEQ ID NO 58446

LENGTH: 363

TYPE: PRT

ORGANISM: Homo sapiens

US-09-791-537-58446

Query Match 88.4%; Score 1871.5; DB 5; Length 363;

Best Local Similarity 92.9%; Pred. No. 3.5e-118;

Matches 327; Conservative 9; Mismatches 9; Indels 7; Gaps 1;

QY 1 MIFPWKOSTORDLNIIFKLMGWTMLCCDFLAHHGTYCWTYHYSEKPMNMRARFCRDN 60  
Db 1 MIFRWKOSTORDLNIIFKLMGWTMLCCDFLAHHGTYCWTYHYSEKPMNMRARFCRDN 60  
QY 14 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 73  
Db 14 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 73  
QY 61 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 120  
Db 61 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 120  
QY 74 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 133  
Db 74 YTDVAIONKAEIETLEKTPFSRSYWIIGIRKIGITWGTWGTNSLLEENMGDGEPN 133  
QY 121 NKKKEDCEVEIYIRKNDAGKWDACHKRLAALCYTASCPWSCSGHGECEVEIINNHTC 180  
Db 121 NKKKEDCEVEIYIRKNDAGKWDACHKRLAALCYTASCPWSCSGHGECEVEIINNHTC 180

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Db 134 NKKNKEDCEVEIYIKRNKDKAGKWNDDACHKILKALCYTASCPWSCSGHGECEVEIINNYYC 193
OY 181 NCDVGYGPOCQOLVIOCEPLAPDELGTMDCTHPGFNFSSSQCASFSCSEGTNLGIEETT 240
Db 194 NCDVGYGPOCQOLVIOCEPLAPDELGTMDCTHPGFNFSSSQCASFSCSEGTNLGIEETT 253
OY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTFSACTFICSEGTTELIGKKK 300
Db 254 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTFSACTFICSEGTTELIGKKK 313
OY 301 TICESSGIWSNPSPIQOKDKSFMKEGDYNLFTFVAVMTAFESGLAFII 352
Db 314 TICESSGIWSNPSPIQOKDKSFMKEGDF-----LTLVFSFNSVLXLM 358
```

*X not good data*

```
RESULT 13
US-10-211-364-1171
; Sequence 1171, Application US/10211364
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1216CIN
; CURRENT APPLICATION NUMBER: US/10/211,364
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: 60/7760,486
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1778
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1171
; LENGTH: 341
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (215)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-211-364-1171
```

Query Match 85.4%; Score 1807; DB 6; Length 341;  
Best Local Similarity 98.7%; Pred. No. 7.1e-114;  
Matches 313; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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OY 1 MIFPWKCOSTORDLWNIFKLMGWTMLCCDFLAHGTCTWYTHYSEKPMNMQRARFRCRDN 60
Db 23 MIFPWKCOSTORDLWNIFKLMGWTMLCCDFLAHGTCTWYTHYSEKPMNMQRARFRCRDN 82
OY 61 YTDVAIONKAEIYLELTLPFSRSYWIIGIRKIGITWTWGTNKSLEAEANMGDGEPN 120
Db 83 YTDVAIONKAEIYLELTLPFSRSYWIIGIRKIGITWTWGTNKSLEAEANMGDGEPN 142
OY 121 NKKNKEDCEVEIYIKRNKDKAGKWNDDACHKILKALCYTASCPWSCSGHGECEVEIINNYYC 180
Db 143 NKKNKEDCEVEIYIKRNKDKAGKWNDDACHKILKALCYTASCPWSCSGHGECEVEIINNYYC 202
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OY 181 NCDVGYGPOCQOLVIOCEPLAPDELGTMDCTHPGFNFSSSQCASFSCSEGTNLGIEETT 240
Db 203 NCDVGYGPOCQOLVIOCEPLAPDELGTMDCTHPGFNFSSSQCASFSCSEGTNLGIEETT 262
OY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTFSACTFICSEGTTELIGKKK 300
Db 263 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTFSACTFICSEGTTELIGKKK 322
OY 301 TICESSGIWSNPSPIQ 317
Db 323 TICESSGIWSNPSPIQ 339
```

*X not good data*

```
RESULT 14
US-10-212-054-1328
; Sequence 1328, Application US/10212054
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1212CIN
; CURRENT APPLICATION NUMBER: US/10/212,054
; NUMBER OF SEQ ID NOS: 2164
; Prior application removed - See file Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1328
; LENGTH: 341
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (215)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-212-054-1328
```

Query Match 85.4%; Score 1807; DB 6; Length 341;  
Best Local Similarity 98.7%; Pred. No. 7.1e-114;  
Matches 313; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

```
OY 1 MIFPWKCOSTORDLWNIFKLMGWTMLCCDFLAHGTCTWYTHYSEKPMNMQRARFRCRDN 60
Db 23 MIFPWKCOSTORDLWNIFKLMGWTMLCCDFLAHGTCTWYTHYSEKPMNMQRARFRCRDN 82
OY 61 YTDVAIONKAEIYLELTLPFSRSYWIIGIRKIGITWTWGTNKSLEAEANMGDGEPN 120
Db 83 YTDVAIONKAEIYLELTLPFSRSYWIIGIRKIGITWTWGTNKSLEAEANMGDGEPN 142
OY 121 NKKNKEDCEVEIYIKRNKDKAGKWNDDACHKILKALCYTASCPWSCSGHGECEVEIINNYYC 180
Db 143 NKKNKEDCEVEIYIKRNKDKAGKWNDDACHKILKALCYTASCPWSCSGHGECEVEIINNYYC 202
OY 181 NCDVGYGPOCQOLVIOCEPLAPDELGTMDCTHPGFNFSSSQCASFSCSEGTNLGIEETT 240
Db 203 NCDVGYGPOCQOLVIOCEPLAPDELGTMDCTHPGFNFSSSQCASFSCSEGTNLGIEETT 262
OY 241 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTFSACTFICSEGTTELIGKKK 300
Db 263 CGPFGNWSPEPTCOVIOCEPLAPDLGIMNCSHPLASFSTFSACTFICSEGTTELIGKKK 322
OY 301 TICESSGIWSNPSPIQ 317
Db 323 TICESSGIWSNPSPIQ 339
```

```
RESULT 15
US-10-212-778-1158
; Sequence 1158, Application US/10212778
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PM026CIN
```

```

CURRENT APPLICATION NUMBER: US/10/212,778
CURRENT FILING DATE: 2002-08-07
PRIORITY APPLICATION NUMBER: 09/758,449
PRIORITY FILING DATE: 2001-01-11
PRIORITY APPLICATION NUMBER: 60/179,065
PRIORITY FILING DATE: 2000-01-31
PRIORITY APPLICATION NUMBER: 60/178,628
PRIORITY FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 1478
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1158
LENGTH: 341
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (215)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-212-778-1158

```

Query Match	85.48;	Score 1807;	DB 6;	Length 341;
Best Local Similarity	98.78;	Pred. No. 7.1e-114;		
Matches 313;	Conservative 1;	Mismatches 3;	Indels 0;	Gaps 0

QY	1	MIFPMKCO	SORD	LMNT	FEK	ILMG	WTML	CCDF	LAHNG	GT	CMWY	HY	SEK	MMNO	RR	AF	RD	60
Db	23	MIFPMKCO	SORD	LMNT	FEK	ILMG	WTML	CCDF	LAHNG	GT	CMWY	HY	SEK	MMNO	RR	AF	RD	82
QY	61	YTTDLVAL	IONK	AEI	LE	LEK	TL	PF	RS	SY	WI	GI	RI	GG	IT	WV	GN	120
Db	83	YTTDLVAL	IONK	AEI	LE	LEK	TL	PF	RS	SY	WI	GI	RI	GG	IT	WV	GN	142
QY	121	NKKRKEDC	VEI	YIK	RNK	DAG	KMND	DACH	HK	LK	AL	CY	AS	CO	PM	SC	SH	160
Db	143	NKKRKEDC	VEI	YIK	RNK	DAG	KMND	DACH	HK	LK	AL	CY	AS	CO	PM	SC	SH	182
QY	181	NCDYGVY	IG	PQC	OL	YIO	CE	PL	EA	PL	LG	TM	DC	TH	PR	GN	SF	200
Db	203	NCDYGVY	IG	PQC	OL	YIO	CE	PL	EA	PL	LG	TM	DC	TH	PR	GN	SF	222
QY	241	CGPFGN	MS	PE	PT	CO	VI	QCE	PL	SA	PD	GI	MM	SH	PL	AS	FT	260
Db	263	CGPFGN	MS	PE	PT	CO	VI	QCE	PL	SA	PD	GI	MM	SH	PL	AS	FT	282
QY	301	TICSSSGI	WS	NP	SP	IC	Q	317										
Db	323	TICSSSGI	WS	NP	SP	IC	Q	339										

```

RESULT 16
US-09-791-132144
: Sequence 133144, Application US/09791537
: GENERAL INFORMATION:
: APPLICANT: Biomomix, Inc.
: APPLICANT: Danzer, Joseph
: APPLICANT: Danzer, Joseph
: TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
: TITLE OF INVENTION: METHODS OF USE THEREOF
: FILE REFERENCE: 261/210
: CURRENT APPLICATION NUMBER: US/09/791,537
: CURRENT FILING DATE: 2001-02-22
: NUMBER OF SEQ ID NOS: 153055
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 132144
: LENGTH: 376
: TYPE: PRF
: ORGANISM: Oryctolagus cuniculus
: US-09-791-537-132144

```

Query Match	84.9%;	Score 1796;	DB 5;	Length 376;
Best Local Similarity	84.1%;	Pred. No. 4.3e-113;		

Matches	311;	Conservative	24;	Mismatches	35;	Indels	0;	Gaps	0;
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Qy	1	MIFPKCSTORDLNNIKLGMWMLCCDFLAHHGTCWTHYSEKPNMORARFCRD	60
Db	1	MIFPKCSPQRLGNVKKLWMAATLCCDFLAHGTNCWTHYSEKPNMRRARFCREN	60
Qy	61	YTDLVAIONKAEIELEKTLPEFSSRSYWIIGIRKIGITWGTNKSLSLEAENMGDEPN	120
Db	61	YTDLVAIONKGEIELEKTLPEFSSRSYWIIGIRKIGNITWGTNKSLSLEAENMGDEPN	120
Qy	121	NKKAKEDCEVEIYIKRNKDAGKWNDDACHKLKALCYTASCPMSCSGHGECEVEIINHTC	180
Db	121	NKKTKEDECEVEIYIKRLRBSGKWNDDSCQKRAALCYTASCHPGSCSGHGECEVEIINNYTC	180
Qy	181	NCDYGVYVPOCOLVIQCGLPELAPELGTMDCHPRPGNSSFSSQCAFSCSEGTNLTGIEETT	240
Db	181	SCDVGYYVPOCQFWQCCEPLAPELGTWACHNPLGEFSSFSSQCFSCLEGTNLTGIEETT	240
Qy	241	CGPEGNMSSPEPTCOVIOICEPLASAPDLGIMNCSHPLASFSFTSACTEICSEGTETLICKK	300
Db	241	CGPLGNMSSLPTCOVIOICEPLTAPDLGTIDCSHPRAVFGFTSTCTCSGBGAEILLMKK	300
Qy	301	TICBSSGIWNSNPICQKLDKSFSSMIKEGDYNPLFIPVAWVTAFSGLAFIILWARRLKK	360
Db	301	TIVCGSGGIWSSPTPKCQKVDKSSFMIKEGDYNPLFIPVAWVTAFSGLAFIILWARRLKK	360
Qy	361	GKKSRSKMD 370	
Db	361	GKKSOKSKMD 370	

```

RESULT 17
US-09-791-537-50403
: Sequence 50403, Application US/09791537
: GENERAL INFORMATION:
: APPLICANT: Biomomix, Inc.
: APPLICANT: Debe, Derek
: APPLICANT: Danzer, Joseph
: TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
: TITLE OF INVENTION: METHODS OF USE THEREOF
: FILE REFERENCE: 261/210
: CURRENT APPLICATION NUMBER: US/09/791,537
: CURRENT FILING DATE: 2001-02-22
: NUMBER OF SEQ ID NOS: 153055
: SOFTWARE: patentIn version 3.0
: SEQ ID NO 50403
: LENGTH: 370
: TYPE: PRT
: ORGANISM: Bos taurus
: US-09-791-537-50403

```

[illegible]

```
Db 241 CAPFGWMSPEPTCRYIQCEPLTEPDLGTMCDHNPVDFGFSSTCFSCSEAEELGEEK 300
QY 301 TIESSGIMNSPICOIKDKSFMKEGDNPLFIPVAMVTAFAAGLAFTIWLARRLK 360
Db 301 TIGGLSGMNSPSPROCKNRTISINESDYNPLFIPVAMVTAFAAGLAFTIWLARRLK- 359
QY 361 GKSKSR 366
Db 360 -RKSCK 364
```

RESULT 18  
US-09-791-537-6693  
; Sequence 6693, Application US/09791537  
; GENERAL INFORMATION:  
; APPLICANT: Bionomix, Inc.  
; APPLICANT: Debe, Derek  
; APPLICANT: Danzer, Joseph  
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB  
; FILE REFERENCE: 261/210  
; CURRENT APPLICATION NUMBER: US/09/791,537  
; NUMBER OF SEQ ID NOS: 153055  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 6693  
; LENGTH: 372  
; TYPE: PRT  
; ORGANISM: Rattus sp  
US-09-791-537-6693

Query Match 78.4%; Score 1660; DB 5; Length 372;  
Best Local Similarity 76.9%; Pred. No. 5.8e-104;  
Matches 286; Conservative 35; Mismatches 51; Indels 0; Gaps 0;

```
QY 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGTGTCWTHYSEKPMNQARARFCRDN 60
Db 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGTGTCWTHYSEKPMNQARARFCRDN 60
QY 61 YTDVAIQNKAEIYELEKTLPEFSRSYWGIRKIGIMTWGNTKSLTEAEAMWGDEPN 120
Db 61 YTDVAIQNKAEIYELEKTLPEFSRSYWGIRKIGIMTWGNTKSLTEAEAMWGDEPN 120
QY 121 NKKNKEDCEVEIYIKRNKAGKWNDDACHKRAKALCYTASCOFSCSGHGEVEIINNHTC 180
Db 121 NKKNKEDCEVEIYIKRNKAGKWNDDACHKRAKALCYTASCOFSCSGHGEVEIINNHTC 180
QY 181 NCDVGYTGPOCQVLTQCEPLAPDLGTMCDHNPVDFGFSSTCFSCSEAEELGEEK 240
Db 181 NCDVGYTGPOCQVLTQCEPLAPDLGTMCDHNPVDFGFSSTCFSCSEAEELGEEK 240
QY 241 CGPFGWMSPEPTCRYIQCEPLTEPDLGTMCDHNPVDFGFSSTCFSCSEAEELGEEK 300
Db 241 CGPFGWMSPEPTCRYIQCEPLTEPDLGTMCDHNPVDFGFSSTCFSCSEAEELGEEK 300
QY 301 TIESSGIMNSPICOIKDKSFMKEGDNPLFIPVAMVTAFAAGLAFTIWLARRLK 360
Db 301 TIESSGIMNSPICOIKDKSFMKEGDNPLFIPVAMVTAFAAGLAFTIWLARRLK 360
QY 361 GKSKSRMNDPY 372
Db 361 GKSKSRMNDPY 372
```

RESULT 19  
US-09-791-537-81233  
; Sequence 81233, Application US/09791537  
; GENERAL INFORMATION:  
; APPLICANT: Bionomix, Inc.  
; APPLICANT: Debe, Derek  
; APPLICANT: Danzer, Joseph

```
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 81233
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-791-537-81233
```

Query Match 78.1%; Score 1653; DB 5; Length 372;  
Best Local Similarity 76.9%; Pred. No. 1.7e-103;  
Matches 286; Conservative 35; Mismatches 51; Indels 0; Gaps 0;

```
QY 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGTGTCWTHYSEKPMNQARARFCRDN 60
Db 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGTGTCWTHYSEKPMNQARARFCRDN 60
QY 61 YTDVAIQNKAEIYELEKTLPEFSRSYWGIRKIGIMTWGNTKSLTEAEAMWGDEPN 120
Db 61 YTDVAIQNKAEIYELEKTLPEFSRSYWGIRKIGIMTWGNTKSLTEAEAMWGDEPN 120
QY 121 NKKNKEDCEVEIYIKRNKAGKWNDDACHKRAKALCYTASCOFSCSGHGEVEIINNHTC 180
Db 121 NKKNKEDCEVEIYIKRNKAGKWNDDACHKRAKALCYTASCOFSCSGHGEVEIINNHTC 180
QY 181 NCDVGYTGPOCQVLTQCEPLAPDLGTMCDHNPVDFGFSSTCFSCSEAEELGEEK 240
Db 181 NCDVGYTGPOCQVLTQCEPLAPDLGTMCDHNPVDFGFSSTCFSCSEAEELGEEK 240
QY 241 CGPFGWMSPEPTCRYIQCEPLTEPDLGTMCDHNPVDFGFSSTCFSCSEAEELGEEK 300
Db 241 CGPFGWMSPEPTCRYIQCEPLTEPDLGTMCDHNPVDFGFSSTCFSCSEAEELGEEK 300
QY 301 TIESSGIMNSPICOIKDKSFMKEGDNPLFIPVAMVTAFAAGLAFTIWLARRLK 360
Db 301 TIESSGIMNSPICOIKDKSFMKEGDNPLFIPVAMVTAFAAGLAFTIWLARRLK 360
QY 361 GKSKSRMNDPY 372
Db 361 GKSKSRMNDPY 372
```

RESULT 20  
US-09-791-537-53485  
; Sequence 53485, Application US/09791537  
; GENERAL INFORMATION:  
; APPLICANT: Bionomix, Inc.  
; APPLICANT: Debe, Derek  
; APPLICANT: Danzer, Joseph  
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME  
; FILE REFERENCE: 261/210  
; CURRENT APPLICATION NUMBER: US/09/791,537  
; NUMBER OF SEQ ID NOS: 153055  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 53485  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-791-537-53485

Query Match 78.1%; Score 1652; DB 5; Length 323;  
Best Local Similarity 98.3%; Pred. No. 1.7e-103;  
Matches 285; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

```
QY 1 MIFPMKOSTORDLWNIFFKLMGWTMLCCDFLAHGTGTCWTHYSEKPMNQARARFCRDN 60
```



```
Db 14 MIFPMKQSTQRDLNMFILKMGWMLCCDFLAHHGTQWYHSEKPMNMQRARFCRDN 73
      |||
Qy 61 YTDVAIONKAEIYLEKTLFSSRYWIGIRKIGITWTWGTNKSLEEAENMGDEPN 120
      |||
Db 74 YTDVAIONKAEIYLEKTLFSSRYWIGIRKIGITWTWGTNKSLEEAENMGDEPN 133
      |||
Qy 121 NKKKEDCEVEIYIKRNKDGAKMNDACHKLAALCYTASCPMWSGSGEGVEIINNHTC 180
      |||
Db 134 NKKKEDCEVEIYIKRNKDGAKMNDACHKLAALCYTASCPMWSGSGEGVEIINNHTC 193
      |||
Qy 181 NCDVGYGPQCQLVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 240
      |||
Db 194 NCDVGYGPQCQLVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 253
      |||
Qy 241 CGPFGNMSPEPTQOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 290
      |||
Db 254 CGPFGNMSPEPTQOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 303
      |||
```

```
RESULT 21
US-09-791-537-37750
; Sequence 37750, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomimix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37750
; LENGTH: 372
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-791-537-37750
```

Query Match 78.0%; Score 1651; DB 5; Length 372;  
Best Local Similarity 76.1%; Pred. No. 2.3e-103;  
Matches 283; Conservative 32; Mismatches 57; Indels 0; Gaps 0;

```
Qy 1 MIFPMKQSTQRDLNMFILKMGWMLCCDFLAHHGTQWYHSEKPMNMQRARFCRDN 60
      |||
Db 1 MIFPMKQSTQRDLNMFILKMGWMLCCDFLAHHGTQWYHSEKPMNMQRARFCRDN 60
      |||
Qy 61 YTDVAIONKAEIYLEKTLFSSRYWIGIRKIGITWTWGTNKSLEEAENMGDEPN 120
      |||
Db 61 YTDVAIONKAEIYLEKTLFSSRYWIGIRKIGITWTWGTNKSLEEAENMGDEPN 120
      |||
Qy 121 NKKKEDCEVEIYIKRNKDGAKMNDACHKLAALCYTASCPMWSGSGEGVEIINNHTC 180
      |||
Db 121 NKKKEDCEVEIYIKRNKDGAKMNDACHKLAALCYTASCPMWSGSGEGVEIINNHTC 180
      |||
Qy 181 NCDVGYGPQCQLVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 240
      |||
Db 181 NCDVGYGPQCQLVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 240
      |||
Qy 241 CGPFGNMSPEPTQOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 290
      |||
Db 241 CGPFGNMSPEPTQOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 290
      |||
Qy 301 TICSSGIMNSPPIQKLDKFSMIKRGDYNPLFIPIVAVVTAFSGLAFIIMLARLKK 360
      |||
Db 301 TICSSGIMNSPPIQKLDKFSMIKRGDYNPLFIPIVAVVTAFSGLAFIIMLARLKK 360
      |||
Qy 361 GKSKRSMDPY 372
      |||
Db 361 GKSKRSMDPY 372
      |||
```

```
RESULT 22
US-09-791-537-60503
; Sequence 60503, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomimix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 60503
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-791-537-60503
```

Query Match 75.9%; Score 1606; DB 5; Length 360;  
Best Local Similarity 76.4%; Pred. No. 2.4e-100;  
Matches 275; Conservative 30; Mismatches 55; Indels 0; Gaps 0;

```
Qy 1 MIFPMKQSTQRDLNMFILKMGWMLCCDFLAHHGTQWYHSEKPMNMQRARFCRDN 60
      |||
Db 1 MIFPMKQSTQRDLNMFILKMGWMLCCDFLAHHGTQWYHSEKPMNMQRARFCRDN 60
      |||
Qy 61 YTDVAIONKAEIYLEKTLFSSRYWIGIRKIGITWTWGTNKSLEEAENMGDEPN 120
      |||
Db 61 YTDVAIONKAEIYLEKTLFSSRYWIGIRKIGITWTWGTNKSLEEAENMGDEPN 120
      |||
Qy 121 NKKKEDCEVEIYIKRNKDGAKMNDACHKLAALCYTASCPMWSGSGEGVEIINNHTC 180
      |||
Db 121 NKKKEDCEVEIYIKRNKDGAKMNDACHKLAALCYTASCPMWSGSGEGVEIINNHTC 180
      |||
Qy 181 NCDVGYGPQCQLVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 240
      |||
Db 181 NCDVGYGPQCQLVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 240
      |||
Qy 241 CGPFGNMSPEPTQOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 290
      |||
Db 241 CGPFGNMSPEPTQOVIOCEPLAPDLGIMNCSHPLASFSFTSACTFTICS 290
      |||
Qy 301 TICSSGIMNSPPIQKLDKFSMIKRGDYNPLFIPIVAVVTAFSGLAFIIMLARLKK 360
      |||
Db 301 TICSSGIMNSPPIQKLDKFSMIKRGDYNPLFIPIVAVVTAFSGLAFIIMLARLKK 360
      |||
```

```
RESULT 23
US-10-212-054-1437
; Sequence 1437, Application US/10212054
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P212C1N
; CURRENT APPLICATION NUMBER: US/10/212,054
; CURRENT FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2164
; Prior application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1437
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-212-054-1437
```

Query Match 47.2%; Score 999; DB 6; Length 184;  
Best Local Similarity 99.5%; Pred. No. 7.3e-60;  
Matches 183; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

[illegible]





```

QY 62 TDVAIONKAEIYLEKTLPEFSRSYYWIGIRKIGIMTWGTSNKLTEAEENMGDEBN 121
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 65 TDVAIONKAEIYLEKTLPEFSRSYYWIGIRKIGIMTWGTSNKLTEAEENMGDEBN 124
QY 122 KKNEDCEVEIYIKRNKDGAKNNDACHKLKALCYTASQWPSGSGHGEVEIINNHTCN 181
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 125 KRNNDCEVEIYIKSLASPGKKNNDCEPKRRKALCYRASCQWPSGSGHGEVEIINNHTCN 184
QY 182 CDVGYYGQCOLVIOCEPLEAPBELGTMDCTHPFGNFSFSQCAFSCEGTNLGTIEETTC 241
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 185 CYPGFGYGECEYVRECGEFDLPQHVMNCSHPLGNFSNHSCHFCAGVALNGPSELEC 244
QY 242 GPFQWSSPEPTQVIOCEPLASPDLMGIMNCSHPLASFSFTSACFTCSGTELLGKKKT 301
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 245 LASGIWINSPPQVAVOCPALPSQWGSQVSAEAFHOSSCSFSCGEPALVGPV 304
QY 302 ICESGGINSPICOKL 319
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 305 HCTALGVATAPVCKAL 322

RESULT 33
US-09-791-537-86038
; Sequence 86038, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomix, Inc.
; APPLICANT: Debe, Derek
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 86038
; LENGTH: 768
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-791-537-86038

Query Match 41.8%; Score 885; DB 5; Length 768;
Best Local Similarity 53.4%; Pred. No. 1.3e-51;
Matches 150; Conservative 42; Mismatches 89; Indels 0; Gaps 0;

QY 39 WTYHSEKPMQARARFCRDNYTDVAIONKAEIYLEKTLPEFSRSYYWIGIRKIGIM 98
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 42 WTYHSEKPMQARARFCRDNYTDVAIONKAEIYLEKTLPEFSRSYYWIGIRKIGIM 101
QY 99 TWGTSNKLTEAEENMGDEBNKKNEDCEVEIYIKRNKDGAKNNDACHKLKALCYTA 158
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 102 TWGTSNKLTEAEENMGDEBNKKNEDCEVEIYIKRNKDGAKNNDACHKLKALCYTA 161
QY 159 SCQWPSGSGHGEVEIINNHTCNCDVGYYGQCOLVIOCEPLEAPBELGTMDCTHPFGNFS 218
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 162 SCQWPSGSGHGEVEIINNHTCNCDVGYYGQCOLVIOCEPLEAPBELGTMDCTHPFGNFS 221
QY 219 FSSQCAFSCEGTNLGTIEETTCGPFQWSSPEPTQVIOCEPLASPDLMGIMNCSHPLAS 278
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 222 FSSQCAFSCEGTNLGTIEETTCGPFQWSSPEPTQVIOCEPLASPDLMGIMNCSHPLAS 281
QY 279 FSTPSACTFTCSGTELLGKKKTICESGGINSPICOKL 319
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 282 FSTPSACTFTCSGTELLGKKKTICESGGINSPICOKL 322

RESULT 34
US-09-791-537-14651
; Sequence 14651, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomix, Inc.

```

```

; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14651
; LENGTH: 754
; TYPE: PRT
; ORGANISM: Canis familiaris
US-09-791-537-14651

Query Match 41.8%; Score 884; DB 5; Length 754;
Best Local Similarity 50.5%; Pred. No. 1.5e-51;
Matches 151; Conservative 46; Mismatches 102; Indels 0; Gaps 0;

QY 19 KLKWTMLCCDFLAHGYCWTYHSEKPMQARARFCRDNYTDVAIONKAEIYLEK 78
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 7 KLKWTMLCCDFLAHGYCWTYHSEKPMQARARFCRDNYTDVAIONKAEIYLEK 78
QY 79 TLPEFSRSYYWIGIRKIGIMTWGTSNKLTEAEENMGDEBNKKNEDCEVEIYIKRNKD 138
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 67 TLPEFSRSYYWIGIRKIGIMTWGTSNKLTEAEENMGDEBNKKNEDCEVEIYIKRNKD 126
QY 139 AGKNNDACHKLKALCYTASQWPSGSGHGEVEIINNHTCNCDVGYYGQCOLVIOCE 198
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 127 AGKNNDACHKLKALCYTASQWPSGSGHGEVEIINNHTCNCDVGYYGQCOLVIOCE 186
QY 199 PLEAPBELGTMDCTHPFGNFSFSQCAFSCEGTNLGTIEETTCGPFQWSSPEPTQVIO 258
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 187 PLEAPBELGTMDCTHPFGNFSFSQCAFSCEGTNLGTIEETTCGPFQWSSPEPTQVIO 246
QY 259 CEPILASPDLMGIMNCSHPLASFSFTSACFTCSGTELLGKKKTICESGGINSPICOK 317
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 247 CEPILASPDLMGIMNCSHPLASFSFTSACFTCSGTELLGKKKTICESGGINSPICOK 305

RESULT 35
US-09-791-537-18300
; Sequence 18300, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Biomix, Inc.
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBERS
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18300
; LENGTH: 646
; TYPE: PRT
; ORGANISM: Sus scrofa
US-09-791-537-18300

Query Match 41.4%; Score 876.5; DB 5; Length 646;
Best Local Similarity 46.3%; Pred. No. 4.1e-51;
Matches 158; Conservative 48; Mismatches 124; Indels 11; Gaps 2;

QY 11 QRDLMNIFKLMGWTMLCCDFLAHGYCWTYHSEKPMQARARFCRDNYTDVAIONK 70
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 14 QRDLMNIFKLMGWTMLCCDFLAHGYCWTYHSEKPMQARARFCRDNYTDVAIONK 73
QY 71 AEIYLEKTLPEFSRSYYWIGIRKIGIMTWGTSNKLTEAEENMGDEBNKKNEDCEVE 130
| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 74 AEIYLEKTLPEFSRSYYWIGIRKIGIMTWGTSNKLTEAEENMGDEBNKKNEDCEVE 133

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Db 22 WSYNTSTFAMTYDEBASAYCOQRYTHLVAIQNKEIEYLNLSISYSPSYWIGIRKVNW 81
Qy 99 TWGVTNKSILTEBAENMGDGEPPNNKKNKEDCCEIYIKRNKDAGKWNDDACHLKAALCYTA 158
Db 82 VWGVTQKPLTEBAENMGDGEPPNNKKNKEDCCEIYIKREKDGWNDDERCSKKLALCYTA 141
Qy 159 SCQWMSGSGHGECEIINNHTCNCVDVGYGQCOLVIOCEPLEAPELGTMCCTHPPGNS 218
Db 142 ACTWTSKSGHGECEIINNHTCKDCDPRGSLKCEQIYNCTALESPEHSLVCSHPLGNS 201
Qy 219 FSSQCAFSCSGEGLNLTGIEETTCGPFGNWSSPEPTCOVIOCEPLSAPDLGIMNCSHPLAS 278
Db 202 YNSSCSISCDRGYLPSSMETWQCMSSGEMSAPIPCNVVECDVATNPANGVECFQNGS 261
Qy 279 FFSFTSACTFICSEGTTELIGKKTICSSGSIWNSPSPICQ 317
Db 262 FPMWTTCTFDCDEGFEELMGASLOCTSSGMDNEKPTCK 300

RESULT 39
US-10-205-823-357
; Sequence 357, Application US/10205823
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangl
; APPLICANT: Monsey, Angela M.
; APPLICANT: Glatz, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 357
; LENGTH: 610
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-205-823-357

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Best Local Similarity 52.0%; Pred. No. 3,7e-50;
Matches 145; Conservative 41; Mismatches 93; Indels 0; Gaps 0;
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RESULT 40
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; Sequence 44925, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Blomomix, Inc.
; APPLICANT: Danzer, Joseph
; APPLICANT: Debe, Derek
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 44925
; LENGTH: 551
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
US-09-791-537-44925

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Best Local Similarity 51.8%; Pred. No. 3.9e-50;
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GenCore version 4.5  
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Perfect score: 2259  
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Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 1795682 seqs, 1418593128 residues

Total number of hits satisfying chosen parameters: 3591364

Minimum DB seq length: 0  
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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2138.8	94.7	2324	1	PCT-US02-18947-512 Sequence 512, App
2	2138.8	94.7	2324	6	US-10-035-832-1389 Sequence 1389, App
3	2138.8	94.7	2324	7	US-10-172-116-512 Sequence 512, App
4	2127.8	94.2	2323	1	PCT-US02-13644-15 Sequence 15, App
5	2127.8	94.2	2323	7	US-10-136-819-15 Sequence 15, App
6	1117.2	49.5	1213	6	US-10-112-054-684 Sequence 684, App
7	1107.8	49.0	1119	6	US-10-035-832-1390 Sequence 1390, App
8	1035	45.8	1298	6	US-10-211-364-518 Sequence 518, App
9	1035	45.8	1298	6	US-10-212-054-575 Sequence 575, App
10	1035	45.8	1298	6	US-10-212-778-424 Sequence 424, App
11	968.6	42.9	40955	6	US-10-035-832-1388 Sequence 1388, App
12	856.8	37.9	2199	6	US-10-035-832-1386 Sequence 1386, App
13	775	34.3	1063	6	US-10-212-778-373 Sequence 373, App
14	757.4	33.5	1119	6	US-10-035-832-1387 Sequence 1387, App
15	562.2	24.9	579	7	US-10-040-862-210 Sequence 210, App
16	562.2	24.9	579	7	US-10-040-862-4884 Sequence 4884, App
17	549.2	24.3	577	7	US-10-040-862-5257 Sequence 5257, App
18	494.2	21.9	512	7	US-10-040-862-8471 Sequence 8471, App
19	350.8	15.5	358	7	US-10-040-862-8405 Sequence 8405, App
20	332	14.7	359	7	US-10-040-862-6660 Sequence 6660, App
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22	310	13.7	3834	6	PCT-US02-23913-356 Sequence 356, App
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24	310	13.7	3834	7	US-10-007-926A-261 Sequence 261, App
25	310	13.7	3834	7	US-10-172-118-488 Sequence 488, App

26	310	13.7	3856	5	US-09-053-375B-467 Sequence 467, App
27	310	13.7	3856	5	US-09-442-384B-633 Sequence 633, App
28	295.6	13.1	326	7	US-10-040-862-2625 Sequence 2625, App
29	294.6	13.1	3142	5	US-09-442-384B-631 Sequence 631, App
30	289.2	12.8	35658	6	US-10-035-832-1385 Sequence 1385, App
31	269.2	11.9	274	5	US-09-442-366A-1202 Sequence 1202, App
32	268.2	11.9	273	5	US-09-442-384B-210 Sequence 210, App
33	250.6	11.1	438	5	US-09-918-995-20021 Sequence 20021, App
34	235.2	10.4	869	7	US-10-143-788-456 Sequence 456, App
35	233.8	10.3	267	7	US-10-040-862-6345 Sequence 6345, App
36	199	8.8	204	7	US-10-040-862-6676 Sequence 6676, App
37	186.6	8.3	267	5	US-09-454-226A-357 Sequence 357, App
38	167.8	7.4	193	7	US-10-040-862-6456 Sequence 6456, App
39	143.2	6.3	642	7	US-10-027-632-82205 Sequence 82205, App
40	143.2	6.3	648	7	US-10-027-632-38354 Sequence 38354, App
41	142.6	6.3	637	7	US-10-027-632-298006 Sequence 298006, App
42	131.2	5.8	572	7	US-10-027-632-189800 Sequence 189800, App
43	131.2	5.8	572	7	US-10-027-632-189801 Sequence 189801, App
44	131.2	5.8	572	7	US-10-027-632-189802 Sequence 189802, App
45	124.8	5.5	232	5	US-09-454-226A-356 Sequence 356, App

## ALIGNMENTS

RESULT 1  
PCT-US02-18947-512  
Sequence 512, Application PC/TUS0218947  
GENERAL INFORMATION:  
APPLICANT: Rosetta Inpharmatics  
TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients  
FILE REFERENCE: 9301-178-228  
CURRENT APPLICATION NUMBER: PCT/US02/18947  
CURRENT FILING DATE: 2002-06-14  
PRIOR APPLICATION NUMBER: 60/380,770  
PRIOR FILING DATE: 2002-05-14  
NUMBER OF SEQ ID NOS: 2699  
SEQ ID NO 512  
LENGTH: 2324  
TYPE: DNA  
ORGANISM: Homo sapiens  
PUBLICATION INFORMATION:  
DATABASE ACCESSION NUMBER: NM\_000655  
DATABASE ENTRY DATE: 2001-06-18  
PCT-US02-18947-512

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QY 104	AACAGAGAGGAGCCAGCAAGCAAGCATGATATTCATGGAATGTCAGAGCCCGAG	163		
DB 64	aacagagagagccagcaagcaagcagcagatccatcaggaatgtagagaccgcagag	123		
QY 164	GGACTTGTGAGACATCTTCAAGTGTGGGGGTGAGCAATCTCTGTGATATTCCTGCG	223		
DB 124	ggacttltggaacatcttcaagltgtgggggtgagacaatctctgtgtgatttccgagc	183		
QY 224	ACATCATGAGACCTGCTGCTGAGCTTACATTTATTTGAAAAACCATGAGCTGCAAG	283		
DB 184	acatcatgagacctgctgctgagcttaccatttccgaaaaaccatgagactgcaag	243		
QY 284	GGCTAGAGAAATTCGCGGAGACATTTACAGATTTAGTTGCTTACAAAACAGGGGA	343		
DB 244	ggctagaagaatttcgcgagacatltacacagatltgtgcatlaaaaaagggcga	303		
QY 344	AATGAGTATCTGAGAGACTGCTGCTGAGTCTGCTTACTACTGATGAGATCCG	403		

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Qy 404 GAAGATAGAGAGAAATATGACGTGGTGGGAACCAAAATCTCTCCTGCAAGACGAG 463  
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Qy 464 GAACTGGGAGATGTGTAGCCCAACAAGAAAGAGAGAGACTGCGTGGAGATCTTA 523  
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; Sequence 1389, Application US/10035832  
; GENERAL INFORMATION:  
; APPLICANT: Morris, David  
; APPLICANT: Engelhard, Eric  
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER  
; FILE REFERENCE: A-71249/RMS/DCF  
; CURRENT APPLICATION NUMBER: US/10/035, 832  
; CURRENT FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: US 09/7747,377  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: US 09/798,586  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 1613  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1389  
; LENGTH: 2324  
; TYPE: DNA

ORGANISM: Homo sapiens  
US-10-035-832-1389

Query Match 94.7%; Score 2138.8; DB 6; Length 2324;  
Best Local Similarity 99.3%; Pred. No. 0;  
Matches 2179; Conservative 0; Mismatches 12; Indels 3; Gaps 3;

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QY 1423 CTCATTTATCCCTACACCCCGACCCACAGGTGTTTATPACAGTCACTTTTGTCTTTT 1482  
DB 1384 ctcatattaccttcaacccccagcccaaggtgttataagcctcagcttcttctt 1443  
QY 1483 CTGAGGAAACAAATTAAGCCAT -AAGGGAAAGATTCATGTGGAAATPAAGATGGCT 1541  
DB 1444 ctgagggaaacaataaagacaaataaagggaagatctcgtggaataaaatgagc 1503  
QY 1542 GACTTGTCTCTTCTTCTTACTGCTTGTGTTCAATTCAGTTCAGTCTACTGATGACAG 1601  
DB 1504 gacttgcctcttcttgactgtacctgttctcagtttcaatctcagtgctgactgtagcag 1563  
QY 1602 ACACCTTTAAATGAGTGCATAATTTGATPACATATGTGAATGTGACATCTTTCTTGCA 1661  
DB 1564 acactttaaattgaagtgcaaatltgatacataatgtaataatgaaatccttcttgcga 1623  
QY 1662 GATCAAAATTCACGTGCTCTTCTGTATACGTGGAAGGTACACCTGTATAGAAATGTAAA 1721  
DB 1624 gatacaattcaagctgcctctgtatatacgtggaagtaacatctctataagaatctcaaa 1683  
QY 1722 AAGTCTACGCTCTCTCTTCTTCTTAACCTCCAGTGAAGTAAATGGGCTCGTCAAGTTGA 1781  
DB 1684 aagctacgctctctcttcttcttaactccaagtgaaagtaatgggtctcgtcctaagtga 1743  
QY 1782 AAGAGTCTTATTTGACATGTAGCCTCGCGCTGTGTGAATTTGAGACATCTTATTAAC 1841  
DB 1744 aagagctctatttgcactgttagcctcgcgtctgtgaattggaacacccatattaaactg 1803  
QY 1842 CTTCAGGCTCCGCCACCTTCTTCTGAGCACACCTCTTTTTCAGTTGGTGACTTCCACAC 1901  
DB 1804 ctcca-gcctcccaacatctctcagccaacatctcttctcaagttggtctgacttccaaac 1862  
QY 1902 TAGCATCTCATGATGCGCAAGCAAAAGAGAGAGAGAAATAGCCTGGCGGTTTTTTT 1961  
DB 1863 tagcatctcatgagtgccaagcaaaagagagaagaagaatagcctgctgcttctt 1922  
QY 1962 AGTTTGGGGTTTTTGTCTGTTTCTTTTATGAGACCCATTCCTATTCTTATPAGCAATGT 2021  
DB 1923 agtttggggtttctgctgttcccttcttaagaccatctcctattcttataagcaatgt 1982  
QY 2022 TTCTTTATCAGCATATATTATTAAGAAAAATCATGTAAGATCTGTAGCGCAAGTGACA 2081  
DB 1983 ttctttatacagataattatagtaagaacaacatcacatgaaatgctagcgtcagaatgaca 2042  
QY 2082 TCCTTTTGTGATGTATATGAGAAAGTTAAACAGGTGAGAAATTCCTTGTGATTCAGTAATGA 2141  
DB 2082 tccttttgtgattatgagaaagtttaaacaggtgagaaatcttctgtgattcagtaatga 2141

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Db      2043 tctcttgatgcatatggaagattaaacaggtgagagaattccttgatccaatga 2102
QY      2142 AATGCTCTCTTCCCTGCGCCAGAGACTTTATCCACTTACTAGATTCTACATATTC 2201
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Db      2103 aatgctctcttccctgccccagacccttataccaacttactagattctataatlc 2162
QY      2202 TTTAAATTTTCATCTCAGGCGCTCCCTCAACCCGAC 2235
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Db      2163 tttaatttcatctcagcgctccctcaaccacac 2196

RESULT 3
US-10-172-118-512
; Sequence 512, Application US/10172118
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 512
; LENGTH: 2324
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM_000655
; DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-512

Query Match      94.7%; Score 2138.8; DB 7; Length 2324;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2179; Conservative 0; Mismatches 12; Indels 3; Gaps 3;

QY      44 CCGTTTGGCAAGAGACTGAGACCCCTTGTCATGTCAGCAAGGCTCAATGGCTGCGAAG 103
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Db      4 cctttgggaagagactgagacccttggctagtcagtaagagagctcaatggctgcagaag 63
QY      104 AACTGAGAGAGACCAAGCAAGCCATGATATTTCCATGGAATGTCCAGAGCACCCAGAG 163
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Db      64 aactagagaagagcaagcaagcattatctcattcattgaaatgtcagagacccagag 123
QY      164 GGACTTATGGAACATCTTCAAGTTGTGGGGTGGACAAATGCTCTGTGTGATTTCTGCG 223
        |||
Db      124 ggaactatggaacatcttcaagttgagggggagacaatgctcgtgtgattcttgc 183
QY      224 ACATCATGGAACCTACTGCTGAGCTTACCATTTCTGAAAAAACCATGAACTGCGCAAG 283
        |||
Db      184 acatcatggaacgactgctgtaacttaccattatctgaaaaaacccatgaaatgcaag 243
QY      284 GGCTGGAAGATTCTCCGAGACATTTACACAGATTTAGTTGGCATACAAAACAGGCGGA 343
        |||
Db      244 ggcctagaagattctgcagacaattacacagatttagtgcatacaaaaaagcgga 303
QY      344 AATTGATATCTGGAGAGACTCTGCCCTTCAGTGTCTTACTACTGATAGGAATCCG 403
        |||
Db      304 aattgatatctcgagaagactcgcccttcagtcgtcttcttactactgataagatccg 363
QY      404 GAAGATAGAGGAATATGAGAGCTGGGTGGGAACCAAAATCTCTCACTGGAAGAGCAGA 463
        |||
Db      364 gaagtagaggaataatgtagcgtgggtaggaacacaataatcttactatgaaagcgga 423
QY      464 GAACGGGGAGATGTGTGAGCCCAACACAGAAAGAGAGAGACTGCTGTGAGATCTA 523
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Db      424 gaactgggagatggtgagcccaacaagaagaacaaaggagagctcggtgagatctta 483
QY      524 TATCAAGAGAAAACAAAGATGCAGGCAATGGAACGATGACGCTCCACAAACTAAAGGC 583
        |||
Db      484 tatcaagaagaacaagaatgtagcagacaatggaacgtagtcgcttcgccaactaaagcg 543
QY      584 AGCCCTCTTTACACAGCTTTCTTGGCAGCCCTGGTCATCATGTGGCATGGAATGTGT 643
        |||
Db      544 agccctctgtacacagctctctgcagccctgcatatgcagtgcacatggaatgtgt 603
QY      644 AGAAATCATCAATTAATCACACCTGCACACTGTGATGNGGGGTACTATAGGCCCCAGTGTCA 703
        |||
Db      604 agaataatcaataataataactgcaactgtagtgggtactatagggccccagtgta 663
QY      704 GCTTGTGATTGAGTGTGAGCCCTTTGGAGGCCCCAGAGCTGGGTACCATGAGACTGACTCA 763
        |||
Db      664 gtttggattcagtgtagcctttggaggccccagagctgggttacatgactgtactca 723
QY      764 CCCCTTGGAAACTTCAGCTTCAGCTCACAGTGTGCTTCAGCTGCTCTGAAGAACAA 823
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Db      724 ccccttggaaacttcaagcttcaagctcaagtgcttcagctgctctgaaagaaaca 783
QY      824 CTTAACTGGGATTGGAAGAAACACCTGTGACCATTTTGGAAACTGGTCACTCCAGAAC 883
        |||
Db      784 cttactgagatggaagaagaacacacttggagccatttggaaactgtagatccagaacc 843
QY      884 AACCTGTCAAGTGAATTCAGTGTGAGCTCTCTATCAGCACACAGATTGGGATCATGAAC 943
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Db      844 aacctgcaagtgatcagtgtagcctctatcagcaccagatgttgggtatcatgaactg 903
QY      944 TAGGCATCCCTGGCGAGCTTCAGCTTACCTTCATGTCATCTCACTCACTCAAGAG 1003
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Db      904 tagcatcccccggccagcttcaagcttcaacctgtagtaccctcatctcgtctcaagaag 963
QY      1004 AACTGAGTTAATTTGGGAAGAGAAAACCATTTGTGAATCATCTGGAATCTGTCAAAATCC 1063
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Db      964 aactgagtaatttgggaagaagaagaacacatttggaaatcatctggaactctgtaaatcc 1023
QY      1064 TAGTCCAAATATGTCAAAAATTGGACAAAAGTTTCTCAATGATTAAAGAGGGTATTAA 1123
        |||
Db      1024 tagtccaatattgcaaaaaatggaacaaagtctcattcaagttaagsgggtgattataa 1083
QY      1124 CCCCCTCTCATTCAGAGGAGCATGTGTTACAGCATCTCTGGTGGATTTATCAT 1183
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Db      1084 ccccctctcatctcagtggaagtaatgtagtcatctcctgggtgagatctatcat 1143
QY      1184 TTGGCTGCAAGAGATTTAAAAAAGGCAAGAAATCCAAAGAGATGTGATGACCCATA 1243
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Db      1144 ttggctgcaagagatttaaaaaaaggaagaatccaaggaagtatgaaatgaccata 1203
QY      1244 TTTAAATGCCCTTGTGTAAGAAAATTTTGGAAATCTTAAATAATCATGACATCTTTAAA 1303
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Db      1204 ttaaatgcaccttgtgtaagaanaattcttggaaatactaaataatcatgagatcccttaa 1263
QY      1304 TCCCTTCATGAAGGTTTGTGTGTGGACACTGCTCTGTAAGCATGAAAGTGTG-TTCC 1362
        |||
Db      1264 tcccttcataagaaagtcttgggtgtagcaccctcctaaagtaacaaagaaatggttcc 1323
QY      1363 TTCAAGTGCATCTGGGAAGATTTTACCCGACCAACAGTTCCCTTCAGCTTCATTTGCGCC 1422
        |||
Db      1324 ttcaagtcatctgggaagattctcactgaccacaagcttcccttcagttccatttgc 1383
QY      1423 CTCATTTATCCCTCAACCCCGAGCCACAGGTGTTTATACAGCTCACCTTTTGTCTTTT 1482
        |||
Db      1384 ctcaattatccctcaaccccgagcccaagtggttataaagctcagccttcttgcctt 1443
QY      1483 CTGAGGAGAAACAATTAAGACCAT-AAAGGGAAGAGATTTCATGNGGATATTAAGATGCT 1541
        |||
Db      1444 ctgggggaaacaataaagacataaagggaagattcatatggaataaagaatggct 1503
QY      1542 GACTTTGCTCTTCTTACTGCTTGTGTTTTCAGTTTCAATTCAGTGTCTGTACTGATGACAG 1601
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Db 1504 gacttgcctcttcttgactcctctgttctcaagtttccaatccagtcgtactatgacag 1563  
Qy 1602 ACACCTTCAAAATGAAGTCAAAATTTGATACATATGTAATATGAGCTCAGTTTCTGTCA 1661  
Db 1504 acaacttcaaaatgaagtcgaaatttgatatacatalatgaaatcagactcctctctgca 1623  
Qy 1662 GATCAAAATTTGACGCTGCTCTGTATATCTGTGAGGTACACTCTTATATAGAAAGTTCAAA 1721  
Db 1624 gatcaaatctcaagtcgtctctctgtatatactgtgaggtacactctctatagaagtcaaa 1683  
Qy 1722 AAGCTTACGCTCTCTCTTCTTTCTTACCTCAGTCAAGTAATAGGGCTCCTGCTCAAGTTGA 1781  
Db 1684 aagcttaagctctctctctctctctcttaactccagtgaaataggggtccctgcctcaagttga 1743  
Qy 1782 AAGAGTCTATTTGACATGTAGCGCTCGCGTGTGATTTGAGACCATCTTATTTAATCGG 1841  
Db 1744 aagagttccatcttgcaacgtatgcgcgcgtctgtgaatttgaaaccaatcttaactgga 1803  
Qy 1842 CTTGAGGCTCCCAACCTTCTTTCAGCCACCTCTCTTTTTCAGTTTGGCTGACTTCCACACC 1901  
Db 1804 ctcaa-gctccccaactctctctcagccactctctctctctctctctctctctctctcaacac 1862  
Qy 1902 TAGCATCTCATGAGTCCCAAGCAAAAGAGAGAAAGAGAAATAGCCGTGCGCGTTTCTT 1961  
Db 1863 tagcatctcatgagtgccaagcaaaagagaagaagaagaatagccctgcgtcttctt 1922  
Qy 1962 AGTTTGGGGGTTTGTGCTTCTTCTTCTTATGAGACCATCTCTATTTCTTATATGCAATGT 2021  
Db 1923 agtttggggtctctgtct 1982  
Qy 2022 TTCTTTTATCAGATATATATATAGTAAGAAACATCACTAGTAATGCTAGCTCAAGTGA 2081  
Db 1983 ttctcttatacgcgatatataatagtaagaagaacaacacacgaaatgctgctcaagtgaca 2042  
Qy 2082 TCTCTTGTATGTCAATGGAAGAGTTAAACAGGTGAGAAATTCCTTGATTCACATGA 2141  
Db 2043 tctcttctgattgcatatgaaagagttaaacaggtgagaagaattccttgattccaacatga 2102  
Qy 2142 AATGCTGCTCCCTTTCCTGCGCCGCCAGAACTTTATCCACTTACCTAGTATTTACATATTC 2201  
Db 2103 aatgctctccctctccctgcgcgcgaagaccttctatccacttaacctaagttcttaacatctc 2162  
Qy 2202 TTTAAATTTTCATCTCAGGCGCTCCCTCAACCCAC 2235  
Db 2163 tttaaatctcatctcagagcctccctcaacccac 2196

RESULT 4  
PCT-US02-13644-15  
; Sequence 15, Application PC/TUS0213644  
; GENERAL INFORMATION:  
; APPLICANT: Chien, Kenneth  
; APPLICANT: Hoshijima, Masahiko  
; TITLE OF INVENTION: Non-viral vesicle vector for cardiac specific gene delivery  
; FILE REFERENCE: 6627-PA1198  
; CURRENT APPLICATION NUMBER: PCT/US02/13644  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: 60/287,423  
; PRIOR FILING DATE: 2001-04-30  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 15  
; LENGTH: 2323  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
PCT-US02-13644-15

Query Match 94.28; Score 2127.8; DB 1; Length 2323;  
Best Local Similarity 99.38; Pred. No. 0;  
Matches 2179; Conservative 0; Mismatches 12; Indels 4; Gaps 4;  
Qy 44 CCCTTTGCAAGACCTGAGACCTTGTGTAAGTCAAGAGCTCAATGGCGTCAGAAAG 103

Db 4 cctttgggcaagagacctgagacctctgtctatagcaagaggtctcaatagggtctgcaag 63  
Qy 104 AACTGAGAGAGACCAAGCAAAAGCCATGATATTTCCATGGAATAATGTACAGACCCAGAG 163  
Db 64 aactagagaagagcaaacgaagccatgatalcttccatgaaatgtcagagaccacagag 123  
Qy 164 GGACTTATGGAACATCTTCAAGTTGTGGGGGAGCAATGCTCTGTGATTTCTGCTGGC 223  
Db 124 ggaacttaagaaacatctccaagtcgtgagggtggaacatgacctgtgattcttcggc 183  
Qy 224 ACATCATGGAACCTACTGCTGACTTACCATTTATTTCTGAAAAACCATGAACTGCAAG 283  
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Qy 284 GGCTTGAAGATTTCTGCCAGACAAATTAACAGATTTAGTGGCAATACAAACAGCGGA 343  
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Qy 344 AATTGATATCTGAGAGACCTGCGCTTCAGTGTCTTATCTACTGATATGAAATCGG 403  
Db 304 aattgagatctctggaagagactctgaccttcaagtcgtctctctctctctctctctctct 363  
Qy 404 GAAGATTAGAGGAATATGAGACGTGGGTGGAACCAAAATCTCTACTGAAAGACAGA 463  
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Qy 464 GAACCTGGAGATGTGTGAGCCCAACACAGAAAGAAAGAGAGACTGCTGAGAGATGA 523  
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Qy 524 TATCAAGGAAGAAAGATGCAAGCAATGGAACCATATACGCTTCCCAAAACTTAAAGC 583  
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Qy 584 AGCCCTGTGTTACACAGCTTCTTGGCACCCGTGATGACAGTGGCCATGGAATGTGT 643  
Db 544 agccctctgttacaacagct 603  
Qy 644 AGAAATCATCAATTAATCAACACCTGCACTGTGATGTGGGTACTATATGAGCCCACTGA 703  
Db 604 agaaatcataataatctaacctcagctgcaactgtgattgtgggtactatctggccccagtgcca 663  
Qy 704 GCTTGTGATTCAGTGTGAGCCCTTGTGAGGCCCAAGAGTGGGTACATGAGACTGTATCA 763  
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Qy 764 CCCCTTTGAAACCTTCACGCTCAGCTCAGAGTGTGCTTCAAGCTCTGAAAGAAACAA 823  
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Qy 824 CTTAATCTGGATTTGAAGAACCACTGTGACCATTTTGGAAACTGTGATCTCGAAGAC 883  
Db 784 cttaacttggaattggaagaacaacactgagaccatttggaacatggtcatctccgaacc 843  
Qy 884 AACCTGTAAATGATTCAGTGTGAGCCCTCTATACACACCAATTTGGGATCATGAACTG 943  
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Qy 944 TAGCCATCCCTGGCAGCTTCAGCTTACCTGTGACATGTAATCTCACTGCTCGAAGG 1003  
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Qy 1124 CCCCTCTTCAATTCACAGGACGATCATGTGTAAGCTTCTGTGGGTGGCATTTATCAT 1183

Db	1084	cccccccttcattccagctgagcagtcacatggtactgcattctctcggtgtgcatattacat	1143
QY	1184	TTGCGTCGCAAGAGATTTAAAAAAGGCAAGAAATCCMAGAGAATATGATGACCCATA	1243
Db	1144	ttggctcgagcaagtagatataaaaaagccaagaataccaagaagtagatgaaccata	1203
QY	1244	TTTAAATCGGCGCTTGAGAAAGAAATTTCTTGAGATACTAAATAATCATGAGATCTTTAAA	1303
Db	1204	ttaaatcgcccttgtagaagaagaataattcttggaataactataaaatcatgagatcccttaaa	1263
QY	1304	TCCTTCATGAAACGTTTTGTGTGTGGTGGCACTCTCTACGTCAAAACATGAAGTG-TTCC	1362
Db	1264	tccttccaagaaacgctttgtgtgtgtgagcacttcctcaagtcacaacatgaagtgtgttcc	1323
QY	1363	TTTCAGGCAATTCGGGAAGATTTTTCACCGCAGCAAGTTCCCTCAGGTTCCATTTCGGCC	1422
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QY	1423	CTCATTTTATCCCTCAACCCCCAGCCACACAGTGTTTAAATACAGCTCAGCTTTTGTCTTTT	1482
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RESULT 5
US-10-136-819-15
; Sequence 15, Application US/10136819
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth
; APPLICANT: Hoshijima, Masahiko
; TITLE OF INVENTION: Non-viral vesicle vector for cardiac specific gene delivery
; FILE REFERENCE: 6627-Pa1198
; CURRENT APPLICATION NUMBER: US/10/136,819
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: 60/287,423
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 2323
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-136-819-15

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Db	1444	ctgagggagaaacaataaagaccataaagggaagatcattgtagatataaaga-19gct	1503
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Db	1504	gactctgcctcttcctgactccttgcttccagttccaatccagcgcgtactctgacag	1563
OY	1602	ACACGTTCTTAATGAAGAGTGCAGAAATTTGATACATATGTGAATATGAGACTGACTGTTTCTTGCA	1661
Db	1564	aaactctctaaatgaagatgcnaactctgatacatatgtaataatgactcagtttcttgca	1623
OY	1662	GATCAAAATTTTCAACGTGCTGTTCTTGATGTATGTTGAGAGTCACTCTTATATGAAGTTCAAA	1721
Db	1624	gactcaaatctcaagctgcgtctctgatactgtagaggtacacacttatagaagtccaa	1683
OY	1722	AAGTCTAGGCTCTGCTTTTCTTTCTTAACCTCAGTGAAGTATGSGGTCCTGCTCAAGTTGA	1781
Db	1684	aagctacagctctcctcttcttcttaactcagatgaagtaatgggctcgtctcaagtga	1743
OY	1782	AAGAGTCCATATTGGACTGTATGACTATGACCTCGGCGGTGTCATATGGACCATGCTATTTAACGTG	1841
Db	1744	aagagctcattatctgaactgtagccgcgcgtctcgtgaattggaaccctcatltaactcgg	1803
OY	1842	CTTCAGGCTCCGCCACCTTCTTTCAGCCACCTCTCTTTTCAGTTGGCTACTTTCACACCC	1901
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OY	1902	TAGCATCTCATGATGAGTGCAGCAAGAAAAGGAGAGAAAGAGAAATAGCCTGCGGGTTTTT	1961
Db	1863	tagcatctcatgtagtgcagaagaagaaagaaagaaatgaacatgcctgcgtcttctt	1922
OY	1962	AGTTGGGGGGTTTCTGTTTCTCTTTATGAGAACCATCTCATTTGCTTAATAGTCAATG	2021
Db	1923	agttggggggttctgctgttcttccctttatgagaccatctcatcttctatagtcaatgt	1982
OY	2022	TTCTTTTATCACGATATTATTATGATAGAAAACATCACTGTAATGTCTAGCTGCAAGTGACA	2081
Db	1983	ttcttttatacgaatatattatagtaagaanaacatcacctgaatgtcagtgcgaatgaca	2042
OY	2082	TCTCTTATGATGATATGGAAGATTTAAACAGGTGAGGAATTTCTTGATTCACAAATCA	2141
Db	2043	tcctcttgaatgcataatgaaagatctaaacaagcggaggaatctccatgattcaacaatga	2102
OY	2142	AATGCTCTCTTTCCTCGCCGCCCCGACACTTTTATCC-ACCTACCTAGATTTACATATT	2200
Db	2103	aatgctctccttccctcgcgcgcgcgaactttatccgaacttaactagattcaataatt	2162
OY	2201	CTTTAATTTTATCTCAGAGGCTCTCCTCAACCCAC 2235	
Db	2163	ctttaaattcatcatcaggcctccctcaaccac 2197	

Query Match	94.2%	Score 2127.8	DB 7	Length 2323
Best Local Similarity	99.3%	Pred. No. 0		
Matches 2179	Conservative	0	Mismatches 12	Indels 4
QY 44	CCCTTGGCAAGAGCCTGAGCCCTTGTGCTTAAGTCACAAAGAGCCTCAATGGCTGCGAAG	103		
Db 4	cccttgggcaagagcactgagacccttgytctaagtcgaagaggtcctaayggtctgcagaag	63		
QY 104	AACTAGAGAGGACCAAGCAAGCAAGCCATGATATTTCCATGGAATGTCAAGACCCAGAG	163		
Db 64	aactagagagagaccgaagcaagccatgatatcttcocatgaaatgtctcagagaccgaag	123		
QY 164	GGACTTATGGAACATCTTCAAAGTTGCGGGGGGAGCAATGCTGCTGTGATTTCTCTGCC	223		
Db 124	ggacttaatggaacatcttcaaatgtguggggtygacaagtcctgtgtgattctctgcgc	183		
QY 224	ACATCATGGAAACCTACTGCTGACTTACCATTTCTGAAAAACCATGAACTGGCCAAAG	283		
Db 184	acatcatggaacccctactgctgacttaccattatctctgaaaaaccatgaaactgccaag	243		
QY 284	GGCTTAGAAGATTCTCCGAGACATTTACACAGATTTAGTTGCCATACAAACAGGCGGA	343		
Db 244	ggcttagaagattctccgagacaattacaagatttagttgcatacaaaacaagcgga	303		
QY 344	AATTAGATATCGGAGAGAGACTCTCCCTTCAGTGTCTTACTCATGATTTGGAATCCG	403		
Db 304	aattagatcttggagagagactctgcctcttcagtcgtctctactctctgagatggatccg	363		
QY 404	GAAGATAGAGAGAAATATGAGACGTGGGTGGGAGCAACAACAATCTCTCACTGGAAGAGCA	463		
Db 364	gaagtagagagaaatataatgagcttgggtgggaaccacaacatctctcactgaaagacga	423		
QY 464	GAACGGGGGAAATGTTGAGGCCCAACAACAAGAAGAAACAAGAGAGACTGCGTGGAAATCTA	523		
Db 424	gaactggggagatgtgtgagcccaacaacaagaagaaacaagagagactcgttggagatcta	483		
QY 524	TATCAAGGAAACAAGATGTCAGCAAAATGGAACATACGCGCTCCCAAACTTAAAGC	583		
Db 484	tatcaaggaacaacaagatgtcagggaaatgtgaacgataatgaagccttgcacaactaaagc	543		
QY 584	AGCCCTCTGTTACACAGCTTCTTGCCAGCCCTGCTCATGCAAGTGCCATGGAGAAATGTGT	643		
Db 544	agccctctgtttacaacagcttctgcagccctgtgtcatalgcagtyggccaatggaatgtgt	603		
QY 644	AGAAATCATATATATATACACCTGCAACTGTGATGTGGGGTAACTATGGGCCCCAGTGCA	703		
Db 604	agaatcatcataataatcaacttgaacttgaatgtgagtggtggaactatggtgccccagtgca	663		
QY 704	GCTTGATTAAGTGTGAGCCTTTGGAGGCCCAAGAGCTGGGTACCAATGAGACTGACTCA	763		

Db	664	gtctgtagatcagtgctgtagaccttggtagggccccaagagctgggtatccatgtagctgactgtca	723
Oy	764	CCCCCTTTGGAAACTTTCAGGCTTTCAGCTCCACAAGTGTGGCTTTCAGCTGCTCTGGAAGCAAA	823
Db	724	ctcttgggaacttcaagcttcaagctccacaagtgctgcttcagctctctctggaagaaacaa	783
Oy	824	CTTAACTGGGATTTGAGAAGAACCACTGTGTGACCATTTTGGAACGTGCTATCTCCAGAAC	883
Db	784	cttaacgtagatgtagaagaacccacgctgagacatcttgaaactgtagatcctccagaacc	843
Oy	884	AACCTGCAAGTGATTTCAGTGTGAGGCTCTATTCAGAGACAGATTTGGGGATCATGAACTG	943
Db	844	aacctgtagaagtgatctagtgtagacctctatcaagaacagatctgggagatcaagaaactg	903
Oy	944	TAGCAGTACCCCTGGCCAGCTTTCAGCTTAACTCTGTGATGTACTGATTCATCTCATCTCAGAAG	1003
Db	904	tagecatccctctggccagcttcaagcttcaaccttgatgttaacctcatctgctcaagaag	963
Oy	1004	AAGTGAATTAAATTGGAGAAGAAACCATTTGTGATCATCTGGAATCTGGTCAATCC	1063
Db	964	aactgagtaatttggaagaagaacaacatcttgatcatcttggaatctgcaaatcc	1023
Oy	1064	TAGTGCATATGTGCAAAATTTGGACAAAGTTTCCAAAGATTAAGAGGGGTGATTTATA	1123
Db	1024	tagtccaatctgtaaaaaatctgacaaaagttctctaaatgataagagaagtgatataa	1083
Oy	1124	CCCCCTTTATATTCAGTGTGACAGTCAATGTGTACTGATCTCTGTGGTTGGGATTTATCAT	1183
Db	1084	ccccctctcatctccagtgagtgcaatgtgttaactgcatctctctgtgttgcatctatcat	1143
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Db	1264	tcctctccatgaaacgcttctgtgtgtgtgagcactcctaagtgcaaaaaagaaatgtgtttcc	1323
Oy	1363	TTTCAGTGCATCTGGGAGATTCTTACCCGACCAACAGTTCTTTCAGCTTCCATTTGCCCC	1422
Db	1324	ttcaagtgcatctgggaagattctctacatcgcaacaagcttccttcagcttcacatctgccc	1383
Oy	1423	CTCATTTATCCCTTCACACCCACCCACCAAGGTGTTTATACAGCTACGTTTGTGCTTTT	1482
Db	1384	ctcatctatccctccaaccccaagcccaacagtggttatacagctcaagcttctgtctt	1443
Oy	1483	CTGAGGAGAAACAAATTAAGACAT-TAAGGAAAGAGTTATGTGAAATTAAGATGGGCT	1541
Db	1444	ctgagggagaacaaataaagaccataaaggaagatcaatgtagaaatataaagaatggct	1503
Oy	1542	GACTTTGCTCTTTCTTGACTCTTGTGTTTCAAGTTCAATTCAGTGTGACTTGTGATGACAG	1601
Db	1504	gaacttgctcttctcttgactctctgtttcaagttcaatctcagtgctgtaactgtagaag	1563
Oy	1602	ACACTTTTAATGAAGTGAATTTATATCATATGTGAATATGACTACATGATTTTCTTGCA	1661
Db	1564	acaacttctaataagtagcaaatcttbatatacatgtaataatgactaagttctcttgca	1623
Oy	1662	GATCAAAATTTTCAGTGTCTTCTGTATCTGTGGAGGTGACATCTTATAGAAAGTGCAAA	1721
Db	1624	gatacaatctcaagctgctctctgtaactgtaactgtagaagtaacactcttaagaagaagttcaa	1683
Oy	1722	AAGTCAAGCTCTCTCTTTCTTCTTAATCTCAGATGAAGTAATGGGCTCTGCTCAAGTTGA	1781
Db	1684	aagctactagctctctcttcttcttaactcagtgtagaataaggggtcctgtctcaagttga	1743
Oy	1782	AAGAGTCCCTATTGTGACTGTAGCCTGCGCGTGTGTGAATTTGGACATCTCTATTAACTGG	1841
Db	1744	aagagctcctatcttgactgtagctctgcgcgtctgtgtaattgtaacatctcttaactcagg	1803

Qy	1842	CTTAGGCGCTCCACCTTTCTTAGCCACACTCTCTTTTTCAGTTGGCTGACTTCCACAC	1901
Db	1804	cttca-gcctccccaaccttcttaagcacctcctcttctcaatlgcgcgacttccacac	1862
Qy	1902	TAGATCTCAGTGAAGTGGCAAGCAAAAGAGAGAGAAATTAACCGCGGGTTTTT	1961
Db	1863	tagatctccagagctgcacaagaagagagagagaaatagcgcgcgtcttctt	1922
Qy	1962	AGTTTGGGGGTTTTGCTGTTTTCTTTTATGAGACCATTCCATTTTCTTAATGTCATGT	2021
Db	1923	agtttgsgggttctgcgtcttctcttcttatgagaccattccattctcttatgtaacatgc	1982
Qy	2022	TTCTTTATCAGCATATTATTAGTAAGAAAACATCATCTGAATGCTAGCTGCAGTGCA	2081
Db	1983	tctctttatcacgatatattatagtaagaaaacatcacctaaatgctatgctgaagtga	2042
Qy	2082	TTCTTTGAGTCAATTATGGAAGATTAAACAGGTGAGAAATTCCTGTGATTCACAAATGA	2141
Db	2043	tctctttgagatcatatgtaagaaagtttaaaacagtgagaaatctcttgatctcaaatga	2102
Qy	2142	AATGCTCTCGTTTCCCTGCCCCCAGACAATTTTATTC-ACTTACCTAGATTCTACATATT	2200
Db	2103	aatgctctccttctccctgcgccacagacctttatctcgacttaactagattctacaattt	2162
Qy	2201	CTTTAAATTTCATCTCAGGCGCTCCCTCCAAACCCGAC	2255
Db	2163	ctttaaatttcattctcagctctccctccaaacccac	2197

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RESULT 6
US-10-212-054-684
; Sequence 684, Application US/10212054
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P212C1N
; CURRENT APPLICATION NUMBER: US/10/212.054
; CURRENT FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2164
; Prior application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 684
; LENGTH: 1213
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (114)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1121)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1142)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1157)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1182)
; OTHER INFORMATION: n equals a,t,g, or c
; US-10-212-054-684

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Query Match	49.5%;	Score 1117.2;	DB 6;	Length 1213;
Best Local Similarity	96.5%;	Pred. No. 2.2e-387;		
Matches 1171: Conservative	9;	Mismatches 27;	Indels 6;	Gaps 4;



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Db 1 gcccagtgfcagactgtgtgtcagtgtagccttggagagcccaagagctggtaacc 60
OY 752 GGACTGTACTACCCCTTTGGAAATTCACGTTACGTCACAGTGTGCTTCAGCTGCTC 811
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Db 61 ggaacttaccaccccttggaaacttcagcttcagctcagtgctgctcagcgtc 120
OY 812 TGAAGAACAACTTAAGTGGATGGAAGAACACCTGTGGAGCCATTTTGGAACTGTC 871
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Db 121 tgaagaaacaacttaactcagtgagatgaagaacaacctgtgaaccttggaaacgtgc 180
OY 872 ATCTCCAGAACCACTGTGCAGTGTATCAGTGTGAGCCTTATCAGCACACAGATTTGG 931
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Db 181 atctcagaacaacctgtcaagtgatcagtgtagccttcaacagccagatctgg 240
OY 932 GATCATGAACTGTAGCCATCCCTGGCCAGCTTCACGTTTACTCTGCAGTACCTTCAT 991
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Db 241 gacatgaacttgaagcaccctggccagcttcagcttcagctcgtacccctcat 300
OY 992 CTGCTCAGAGAGAACTGAGTTAATTGGAGAAAGAAACCATTTGTGAATCATCTGAAT 1051
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Db 301 ctgctcagaagagactgagttaatctggagaaagaagaacacctgtgatactctggaat 360
OY 1052 CTGGTCAAAATCTAGTCCAAATATGTCAAAATTTGACAAAAGTTCTCAATGATTAAGA 1111
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Db 421 gggtagataaaccccttcatcagtggcagtcagtgtaactgcatctctcgtggt 480
OY 1172 GGCATTATCATTTGGCTGGCAAGAGATTAATAAAAGCAAGAAATCCAGAGAGATAT 1231
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Db 721 tccatttgcgcccatltaatccctcaaccccaagcccaagtggtltaatacagctcagc 780
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Db 781 ttttgccttcttcagtgagagaaacaataagcacaataaggaagatctcagtggaat 840
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Db 961 agtttcttcagatcaaatltcaagtgctctcgtatactgttgaggtataaccttcat 1020
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Db 1021 aagaagttcaaaaagttcaagctctcctcttcttaactccagtgaaatwtatgggtcc 1080
OY 1770 TGTCTCAAGTTGAAGAGTCTATTTGACACTGAGCC--TCGCCGTCTGTGAATTTGGACCA 1827
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Db 1141 tncattttaacttgntttaagcytcccamcttltttaagncaaactcttlttcag 1200
OY 1886 GGCTGACTTCCAC 1898
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Db 1201 gactgacttcaac 1213

RESULT
US-10-035-832-1390
; Sequence 1390, Application US/10035832
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71249/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/035,832
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1613
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 1390
; LENGTH: 1119
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-035-832-1390

Query Match          49.0%; Score 1107.8; DB 6; Length 1119;
Best Local Similarity 99.4%; Pred. No. 6,8e-285;
Matches 1112; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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OY 189 TGGGGGTGACAAATGCTGTGTGTTGATTTCTGTGCACATCATGGAACCTACTGCTGCACT 248
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Db 61 tgggggtgacaatgctgtgtgtgatttctgtgcacatcatggaacactgactgtgact 120
OY 249 TACCATTTATTCGAAAAACCATGACTGCGAAAAGGCTAGAGAATTTCTGCCGAGACAT 308
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Db 121 taccatlttctgaaaaaaccatgaactgcaaaaggttagaagaatltctgcgagacaat 180
OY 309 TACACAGATTTAGTGGCATACAAACAAAGCGGAAATTTGATATCGAGAACACTCTG 368
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Db 181 tacaaagatttagtggcacaatacaaaagcggaatgtgtctcggaaagaaactctg 240
OY 369 CCCTTCAGTCTGTTTACTACTGATAGAGAAATCCGGAAGATAGAGAGAAATATGAGCGTGG 428
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Db 241 ccttccagtcgttcttactactgataagaaatccggaagatagaagaaatatagtgagctg 300
OY 429 GTGGGAACCAACAAATCTCTCAGTGAAGAACAGAGAACTGGGAGATGGGAGCCCAAC 488
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Db 301 gtgggaaccaaacaatctcttactgaagaagcagaagacttgggagatgtgtgagcccaac 360
OY 489 AACAAAGAGAACAGAGAGAGCTGCTGAGATCTATATCAAGAGAAACAAAGATGACGGC 548
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Db 361 aacaagaagaacaagagagactgctgtgagatctatatcaagaagaacaagaagcaggc 420
OY 549 AAATGGAACGATGACGCCCTGCCACAAACTAAAGGACAGCCCTCTGTTTACAGAGCTTCTTGC 608
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Db 421 aatgtgaacgagtgccctgcacaaactaaagcgagccctctgttacacaagcttctgc 480
OY 609 CAGCCCTGCTATCATCAGTGGCCATGAGAAATGTGTAGAAATCATCAATTAATCACACCTGC 668
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Qy      789  TCACAGTGTGCGCTTCACACTGCTGTCGTAAGAGAAACAACCTTAACCTGGGATTTGAACAAAC 848
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Qy      849  TGTGACCATTTGGAAACTGGTGATCTCCAGAACCAACCTGTCAAGTGAATTCAGTGTGAG 908
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RESULT      8
US-10-211-364-518
: Sequence 518, Application US/20211364
: GENERAL INFORMATION:
:   TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
:   FILE REFERENCE: P3216CIN
:   CURRENT APPLICATION NUMBER: US/10/221,364
:   CURRENT FILING DATE: 2002-08-05
:   PRIOR APPLICATION NUMBER: 09/760,486
:   PRIOR FILING DATE: 2001-01-16
:   PRIOR APPLICATION NUMBER: 60/179,065
:   PRIOR FILING DATE: 2000-01-31
:   PRIOR APPLICATION NUMBER: 60/180,628
:   PRIOR FILING DATE: 2000-02-04
:   PRIOR APPLICATION NUMBER: 60/214,886
:   PRIOR FILING DATE: 2000-06-28
:   PRIOR APPLICATION NUMBER: 60/217,487
:   PRIOR FILING DATE: 2000-07-11
:   PRIOR APPLICATION NUMBER: 60/225,758
:   PRIOR FILING DATE: 2000-08-14
:   PRIOR APPLICATION NUMBER: 60/220,963
:   PRIOR FILING DATE: 2000-07-26
:   PRIOR APPLICATION NUMBER: 60/217,496
:   PRIOR FILING DATE: 2000-07-11
:   PRIOR APPLICATION NUMBER: 60/225,447
:   PRIOR FILING DATE: 2000-08-14
:   PRIOR APPLICATION NUMBER: 60/218,290
:   PRIOR FILING DATE: 2000-07-14
: Remaining Prior Application data removed - See File Wrapper or PAM.

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Query Match	45.8%	Score 1035	DB 6	Length 1298
Best Local Similarity	99.2%	Pred. No. 1,8e-265		
Matches 1049	Conservative 1	Mismatches 6	Indels 1	Gaps 1

  

DB	Seq ID	Seq ID NO	Length	Type	Organism
1	NUMBER OF SEQ ID NOS: 1778				
2	SOFTWARE: Patentin Ver. 2.0				
3	SEQ ID NO 518				
4	LENGTH: 1298				
5	TYPE: DNA				
6	ORGANISM: Homo sapiens				
7	US-10-211-364-518				

  

DB	Seq ID	Seq ID NO	Length	Type	Organism
1	NUMBER OF SEQ ID NOS: 1778				
2	SOFTWARE: Patentin Ver. 2.0				
3	SEQ ID NO 518				
4	LENGTH: 1298				
5	TYPE: DNA				
6	ORGANISM: Homo sapiens				
7	US-10-211-364-518				

  

DB	Seq ID	Seq ID NO	Length	Type	Organism
1	NUMBER OF SEQ ID NOS: 1778				
2	SOFTWARE: Patentin Ver. 2.0				
3	SEQ ID NO 518				
4	LENGTH: 1298				
5	TYPE: DNA				
6	ORGANISM: Homo sapiens				
7	US-10-211-364-518				

  

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2	SOFTWARE: Patentin Ver. 2.0				
3	SEQ ID NO 518				
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5	TYPE: DNA				
6	ORGANISM: Homo sapiens				
7	US-10-211-364-518				

  

DB	Seq ID	Seq ID NO	Length	Type	Organism
1	NUMBER OF SEQ ID NOS: 1778				
2	SOFTWARE: Patentin Ver. 2.0				
3	SEQ ID NO 518				
4	LENGTH: 1298				
5	TYPE: DNA				
6	ORGANISM: Homo sapiens				
7	US-10-211-364-518				

  

DB	Seq ID	Seq ID NO	Length	Type	Organism
1	NUMBER OF SEQ ID NOS: 1778				
2	SOFTWARE: Patentin Ver. 2.0				
3	SEQ ID NO 518				
4	LENGTH: 1298				
5	TYPE: DNA				
6	ORGANISM: Homo sapiens				
7	US-10-211-364-518				

  

DB	Seq ID	Seq ID NO	Length	Type	Organism
1	NUMBER OF SEQ ID NOS: 1778				
2	SOFTWARE: Patentin Ver. 2.0				
3	SEQ ID NO 518				
4	LENGTH: 1298				
5	TYPE: DNA				
6	ORGANISM: Homo sapiens				
7	US-10-211-364-518				

  

DB	Seq ID	Seq ID NO	Length	Type	Organism
1	NUMBER OF SEQ ID NOS: 1778				
2	SOFTWARE: Patentin Ver. 2.0				
3	SEQ ID NO 518				
4	LENGTH: 1298				
5	TYPE: DNA				
6	ORGANISM: Homo sapiens				
7	US-10-211-364-518				

  

DB	Seq ID	Seq ID NO	Length	Type	Organism
1	NUMBER OF SEQ ID NOS: 1778				
2	SOFTWARE: Patentin Ver. 2.0				
3	SEQ ID NO 518				
4	LENGTH: 1298				
5	TYPE: DNA				
6	ORGANISM: Homo sapiens				
7	US-10-211-364-518				

  

DB	Seq ID	Seq ID NO	Length	Type	Organism
1	NUMBER OF SEQ ID NOS: 1778				

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Db      1050 acctcatctgtctcagaagaagaaactgagtttaattgggaagaagaanaaccatttgaatca 1109
Oy      1044 TCTGGAATCTGGTCAAAATCCTAGTGTCCAAATATGTCANAA 1080
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RESULT      9
US-10-212-054-575
; Sequence 575, Application US/10212054
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1212C1N
; CURRENT APPLICATION NUMBER: US/10/212,054
; CURRENT FILING DATE: 2002-08-06
; NUMBER OF SEQ ID NOS: 2164
; Prior application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 575
; LENGTH: 1298
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-212-054-575

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Query Match	45.8%	Score 1035	DB 6	Length 1298
Best Local Similarity	99.2%	Pred. 1.8e-265		
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QY	84	GGCTCAATGGCGCTGCAGAAAGAACTAGAGAGAGGACCAAGCAAGCCATGATATTTCCATGG	143	
Db	150	ggctcaatggtgtcgaagaagaactagagaagaccagaagaagccatgattccatcag	209	
QY	144	AAAGTGCAGACACCCCAAGGGAGCTTATGGAAACATCTTCAACTGTGGGGGTGGACAATG	203	
Db	210	aaatgctcagagacacccagagaaggactcttgaagacatcttcaagtgtggyggcaatg	269	
QY	204	CTGTGTGTGATTTCTTGCGACATCATGGAACCTTACTCTGGACTTACCATATTTCTGAA	263	
Db	270	ctctgtgtgtgtcttccctgcaacatcagaaacgcgtctgtgacttaccattatcttgaa	329	
QY	264	AAACCCATGAACCTGGCAAGGGCTAGAAATTTCTGCCGAGACAAATTACACAGATTTAGTT	323	
Db	330	aaacccatgaacttgcgaagggctagaagaattcttcgagacaaattacacagatttagt	389	
QY	324	GCCATYACAAAACAAGGCGGGAATTGAGATTCGTGGGAGAGACCTGCCCCTCAAGTGTCT	383	
Db	390	gccaatacaaaacaaggcggaatatcgagatctcgggaagaactctgccttcaagtgtct	449	
QY	384	TACTACTGGATAGGAATCCGAGAGATAGAGGAATATGAGAGTGGTGGGAACCAACAA	443	
Db	450	tactactgagataggaatccggaagatagggagaatatgagctgtgtgtggaacacacaa	509	
QY	444	TCTCTCACTGAAGAAGCAGAACTGGGGAGATGCTGAGCCCAACACAGAAGAACAG	503	
Db	510	tcttctactgaaagaagcagagaacttgggagatgtgtgagccacaacaagaagaacaag	569	
QY	504	GAGAGTCGCGGAGATCTATATCAAGGAACAAGAATGGAGCAATGGAACGATGAC	563	
Db	570	gagagactgcgtgtggagatctatatacaagaacaagaagctgcaggccaatgtgaacgagtac	629	
QY	564	GCCGTGCACAAACTAAAGGACGCCCTGTGTATACAGCTTTCTTGCAACCCCTGTGTAAGC	623	

Db	630	gctcgcaacaaactaaagagccctctgttaccagctcttccagcccttgcatagc	689
QY	624	AGTGGCCATGAGAAVGTGTGAANAATCATCAATATACACCTGCAACTGTGATGTGGG	683
Db	690	agtgagcatgagaaatgtgtagaatcatcaataattacactgcactgtatgtggg	749
QY	684	TACTATGGGCCCCAATGTACACTTGTGATTCAGTGTGAGCCTTTGGAGGCCCAAGCTG	743
Db	750	tactatgggccccagtgtaagytctgtatctcagtgtaagcctttggaagccccaaagctg	809
QY	744	GGTACCATGAGACTGTACTACCCCTTTGGAAACGTTCAGCTTCAGCTCAAGTGTGCCTTC	803
Db	810	ggttacacatggaactgtactcacaccttgggaacttaagcttcagctcaagtggtcttc	869
QY	804	AGCTCTCTGAAAGAACAACTTAAGTGGATTGAAGAAACCACTGTGGACATTTTGA	863
Db	870	agctgctctgaagacaacacttaactgtgatttgaagaaccacctgtgaccatttga	929
QY	864	AACCTGTCATCTCCAGAACCACTGTGCAAGTATTCAGTGTGAGGCTTTCATCAGCACCA	923
Db	930	aacttggtaacttccagaacaacactgtcaagtgattcagtgtagacttatacagcacca	989
QY	924	GATTTGGGGATCATGAACGTAGACCATCCCCGTGGCCAGCTTCAGGTTTAACCTCTGACATG	983
Db	990	gatttggggatcacagaactgtagccatcccccttggccaagcttaagcttaacctgtcagaagt	1049
QY	984	ACCTTCATCTGCTCAGAAAGAACTGAGTTAATTTGGAGAGAAGAAAAACATTTGTGTAATCA	1043
Db	1050	accttcatctgtctcagaagagactgttaatttgggaagagaagaacaacatttgaatca	1109
QY	1044	TCTGGAATCTGGTCAATTCCTAGTCCAAATGTGCAAA	1080
Db	1110	tctggaaacttggtaaaatctccagtgcaaatgtgcaaa	1146

```

RESULT 10
US-10-212-778-424
; Sequence 424, Application US/10212778
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PM026CIN
CURRENT APPLICATION NUMBER: US/10/212,778
CURRENT FILING DATE: 2002-08-07
PRIOR APPLICATION NUMBER: 09/758,449
PRIOR FILING DATE: 2001-01-11
PRIOR APPLICATION NUMBER: 60/179,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
NUMBER OF SEQ ID NOS: 1478
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 424
LENGTH: 1298
TYPE: DNA
ORGANISM: Homo sapiens
US-10-212-778-424

Query Match          45.8%, Score 1035; DB 6; Length 1298;
Best Local Similarity 99.2%; Pred. No. 1.8e-265;
Matches 1049; Conservative 1; Mismatches 6; Indels 1; Gaps 1;

OY      25  ACCCTGACACAGCAGCACTCCCTTT-GGCAAGGACTTAGACACCCCTTGTCCTAAGTCAAGA 83
          |||||
Db       90  accctgcagcaagcacactcccttggcgcaagagaccttgagacccttggctaaagcaaga 149
          |||||

OY      84  GCGCTCAATGGCGTGCAGAGAAGAACTGAGAGAGACCAACCAAGCCATGATATTTCCATGG 143
          |||||
Db      150  ggcctcaatggcgctgcagagaagaaactagaagaagcaagcaagcaatgatattccatgg 209
          |||||

OY      144  AAATGTCAGAGACACCACAGAGGACTTATGAGAACATCTTCAAGTTGTGGGGTGGACAATG 203

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|||||
Db 210 aaatgtagagcaccacagaggaacttatggaacatcttcaagtggtgaggaatg 269
QY 204 CTCGTGTTGTATTCCTGGACATCATGGAACCTACTGCTGGACTTACCATTTCTGAA 263
Db 270 ctctgttgatctccctgagcacaatcagaaacagctgtagtaccatcttctgaa 329
QY 264 AAACCCATGAACTGGCAAGGGCTGAAGATTCTGGCGAGACATTTACAGATTGTT 323
Db 330 aaaccatgaactggaaggaagctagaagatctgcgcgaagaacatcacagattglt 389
QY 324 GCCATACAAAACAAGCGGAATTGATGATCTGAGAGAAGACTCTGCCCTTACGTCT 383
Db 390 gcaatatacaaaacagcggaattgagtagtattctggaagaagactcgccttcaagtcgtct 449
QY 384 TACTACTGATAGGAATCCGGAAGATGAGAGAAATATGACAGTGGTGGGAACCAACAA 443
Db 450 tactactgtagaagatcccgaaagataggaataggaacatgagcgtggtggaaccaacaa 509
QY 444 TCTCTCACTGAGAAGAGAGAACTGGGAGATGATGAGCCCAACAAACAAGAACAG 503
Db 510 tctcttactgaaagaagcagaactggaagagatggtgagcccaacaagaagaacaaag 569
QY 504 GAGGACTGCGTGGAGATCTATATCAAGAGAACAAGATCGAGGCAAAATGGAAGATGAC 563
Db 570 gaggaactgctggaagatctataatcaagaagaacaagatgacgcaaaatgaaacgtagac 629
QY 564 GCTGTCCACAATAAAGCAGCCCTCTGTTACACAGCTTCTTCCAGCCCTGTCATGC 623
Db 630 gctgcacaacaactaaagcagccctcgttacaagcttcttcgagccctgtlcatgc 689
QY 624 AGTGGCATGAGAAATGTGTAATCATCATATCAACACTGACACTGTGATGTGGG 683
Db 690 agtggcataggaatgctgtgaaatcaatcaatcaacacgcaactgtagtggg 749
QY 684 TACTATGGGCCCCAGTGTACGTTGTGATTCAGTGAAGCCTTTGAGAGCCCAAGAGCTG 743
Db 750 tactatgggccccagtgtagtgcgtgtagtgcgtgtagtgcgttgggagcccaagagctg 809
QY 744 GGTACCATGGACTGTACTCACCCCTTTGGAACCTTCAGCTTCAGCTCAGCTGTCCTTC 803
Db 810 ggtaccatgtagtcttactcacccttgggaacttcagcttcagctcagctgtagccttc 869
QY 804 AGCGCATCTGAAGACAACTTAACCTGGGATGGAAGAACACACTGCGGACCTTTGGA 863
Db 870 agcgcatctgaagaaacaaacttaacggaatgaaagaacacacgctgagccatctgga 929
QY 864 AACTGTATCTCCAGAACCAACCTGTCAAGTGAATGATGAGCTTATCAGACACA 923
Db 930 aactgtatctccagaaacaaactgtcaagtgtcagtgtagtgcctctatacagaca 989
QY 924 GATTGGGATCATGAACCTGTAGCCATCCCTGGCGACGTTTACCTTGACATGT 983
Db 990 gatttgggatcatgaactgtagcaccctcggccagcttcagcttacccttcgacgt 1049
QY 984 ACCCTTATCTGCTGAGAAGAACTGATTAATTGGGAAGAAACCAATTGTGATCA 1043
Db 1050 acccttactcgtcagaagaagcagagatcaatgagggaagaagaacaacatttgcata 1109
QY 1044 TCTGGAATCTGCTCAATCTCTAGTCAATATGTCAAA 1080
Db 1110 tctggaatctgctcaaatctcagtcacaaatattgtcaaa 1146
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RESULT 11
US-10-035-832-1388
; Sequence 1388, Application US/10035832
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71249/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/035,832
```

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; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1613
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1388
; LENGTH: 40955
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-035-832-1388

Query Match 42.9%; Score 968.6; DB 6; Length 40955;
Best Local Similarity 99.3%; Pred. No. 3.5e-247;
Matches 1004; Conservative 0; Mismatches 4; Indels 3; Gaps 3;

QY 1227 AGTATGATGACCATTTAAATGCGCCCTTGTGAAGAAAATTCTTGAATTAATAAA 1286
Db 29818 agtatgaatgaccatattaaatcgcccttggtagaagaataatcttggaaacttaaaa 29877
QY 1287 TCATGAGATCCTTTAAATCCCTTCATGAAACGTTTGTGTGGTGGCACTTCTACGTAA 1346
Db 29878 tcatgagatcctttaaatcccttcataaagatttggtagtggtggcacccttcagtcata 29937
QY 1347 ACATGAAGTGTG-TTCTTCACTGATCTGGGAAGATTCTTACCCGACCAACAGTTCCTT 1405
Db 29938 acatgaagtgtg-ttcttctcactgacatcgtgaagatttctacactgaccacagctcct 29997
QY 1406 CAGCTTCATTTGCGCCCTGCTTTATCCCTACACCCCGCCAGCCAGGTGTTATACAGC 1465
Db 29998 cagcttcatttgcgccctccttctatccctcaaccgcccaagccttctatacagc 30057
QY 1466 TCAGCTTTTGTCTTTCTGAGGAAAAACAATAAGACCAT-AAAGGAAAGATTATGCT 1524
Db 30058 tcagcttttgtctttctctgaggaataaataagacataaaggaagagatctatgt 30117
QY 1525 GGAATATTAAGATGGCTGACCTTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1584
Db 30118 ggaatattaagatggtcgtgacttctcttcttcttcttcttcttcttcttcttcttct 30177
QY 1585 GCTGTACTGTGATGACAGACACTTTTAAATGAAGAGCAAAATTGTATACATATGTAATG 1644
Db 30178 gctgtactgtgacagacacacttctaaatgaagtgcaaatctgtataatgagtaatg 30237
QY 1645 GACTCAGTTTCTTGGACATCAAAATTACGTCGCTTCTGTATACGTGAGAGTACACT 1704
Db 30238 gactcagtttcttctgacatcaaaatttcaagtcgtctctctctctatactgtgaggtacact 30297
QY 1705 CTTATAGAAGATTCAAAAAGCTTACGCTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCT 1764
Db 30298 cttaataagaatgtcaaaagctcagctctctcttcttcttcttcttcttcttcttcttct 30357
QY 1765 GGTCTGCTGCTCAAGTTGAAGAGTCTTATTTTACCTGTAGACCTGCCGCTGTGAATTGGA 1824
Db 30358 ggtctgctgctcaagttgaagaggtcctatttgacatgtagcctgcgctcgtgtgaattgga 30417
QY 1825 CCATCTATTTAACTGAGCTTTCAGGCTCCACACTTCTTTCAGCCACCTCTCTTTTTCAGT 1884
Db 30418 ccatctatttaactgtgttca-gctccccaactcttctcaagcaccctctcttcttcaagt 30476
QY 1885 TGGCTGACTTCCACACTAGATCTCATGAGTGGCAAGCAAAAGAGAGAAGAAAT 1944.
Db 30477 tggctgacttccacactagatctcatgtagtgcaagcaaaagagagagaagaat 30536
QY 1945 AGCTGCGCGGTTTTTTAGTTGGGGTTTTTGCCTTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 2004
Db 30537 agctgcgcggttttttagttgggggttttgccttttcttcttcttcttcttcttcttcttct 30596
QY 2005 TTTCTTATAGTCAATGTTTCTTTTATCAGATATATATATAGTAAACATCACTGAAT 2064
Db 30597 ttcttatagcaatgttcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttct 30656
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Db 1608 aactcagactccctgcgcac 1627
||||| | ||||| ||
RESULT 13
US-10-212-778-373/c
; Sequence 373, Application US/10212778
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PM026C1N
; CURRENT APPLICATION NUMBER: US/10/212,778
; CURRENT FILING DATE: 2002-08-07
; PRIOR APPLICATION NUMBER: 09/758,449
; PRIOR FILING DATE: 2001-01-11
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; NUMBER OF SEQ ID NOS: 1478
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 373
; LENGTH: 1063
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (20)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (54)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-212-778-373
```

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Query Match 34.3%; Score 775; DB 6; Length 1063;
Best Local Similarity 99.3%; Pred. No. 3,6e-196;
Matches 797; Conservative 2; Mismatches 2; Indels 2; Gaps 2;
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```
QY 1434 CTCACCCCCAGCCACAGGCTGTTTATACAGCTCAGCTTTTGTCTTTCTGAGGAGAAA 1493
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1002 CwGACCCGCCAGCCACAGGCTGTTTATACAGCTCAGCTTTTGTCTTTCTGAGGAGAAA 943
QY 1494 CAATTAAGACAT-ANGGAAAGATTCATGCGAATATATAAGTGGCTACCTTGTCT 1552
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 942 CAATTAAGACATTAAGGAAAGATTCATGCGAATATATAAGTGGCTACCTTGTCT 883
QY 1553 TTCTTGACTCTGTTTCACTTCAATTCAGTGTCTGACTTGAAGACAGACCTTAA 1612
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 882 TTCTTGACTCTGTTTCACTTCAATTCAGTGTCTGACTTGAAGACAGACCTTAA 823
QY 1613 TGAAGTGCATAATTTGATACATATGTGAATVGAAGTCAAGTTTCTTGACAGTCAAAATTT 1672
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 822 TGAAGTGCATAATTTGATACATATGTGAATVGAAGTCAAGTTTCTTGACAGTCAAAATTT 763
QY 1673 AGCTCGCTCTGATATACCTGAGTACACCTTTATAGAAAGTTCAAAAGCTACAGCT 1732
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 762 AGCTCGCTCTGATATACCTGAGTACAGTCTTTATAGAAAGTTCAAAAGCTACAGCT 703
QY 1733 CTCTTTCTTTCTTAACCTCAGTGAAGTAAAGGCTCTCTCAAGTGAAGAGTCTAT 1792
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 702 CTCTTTCTTTCTTAACCTCAGTGAAGTAAAGGCTCTCTCAAGTGAAGAGTCTAT 643
QY 1793 TTGCACTGATAGCTCGCGCTGTGTGAATTTGAGACATCTATTTAACTGGCTTCAAGCCTC 1852
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 642 TTGCACTGATAGCTCGCGCTGTGTGAATTTGAGACATCTATTTAACTGGCTTCAAGCCTC 584
QY 1853 CCCACCTTTTCAGCCACCTCTCTTTTTCAGTTGGCTGACTTCACACCTTACATTCAT 1912
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 583 CCCACCTTTTCAGCCACCTCTCTTTTTCAGTTGGCTGACTTCACACCTTACATTCAT 524
QY 1913 GAGTGCACCAAGCAAAAGAGAGAGAAATAGCCTGCGGCTTTTGTAGTTGGGGGT 1972
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Db 523 GAGTGCCACCAAGAAAGAGAGAGAAATATACCTCGCGCTGTTTTAGTTGGGGGT 464
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
QY 1973 TTGCTGTTTCTTTTATGAGACCATTCCTATTTCTTATATGCAATGTTCTTTATCA 2032
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 463 TTGCTGTTTCTTTTATGAGACCATTCCTATTTCTTATATGCAATGTTCTTTATCA 404
QY 2033 CGATATTATTAGTAAAGAACATCATCGAATAGTCTGACATGATGATCTCTGATG 2092
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 403 CGATATTATTAGTAAAGAACATCATCGAATAGTCTGACATGATGATCTCTGATG 344
QY 2093 TCATATGAGAGATTAAAGAGTGGAGAAATTCCTGATTCACAAATGAATGCTCTCT 2152
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 343 TCATATGAGAGATTAAAGAGTGGAGAAATTCCTGATTCACAAATGAATGCTCTCT 284
QY 2153 TTCCCTGCCCCCAGAACTTTTATCCTTACCTAGATTCTACATATTTCTTTAATTTCA 2212
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 283 TTCCCTGCCCCCAGAACTTTTATCCTTACCTAGATTCTACATATTTCTTTAATTTCA 224
QY 2213 TCTCAGGCTCCCTCAACCCAC 2235
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 223 TCTCAGGCTCCCTCAACCCAC 201
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RESULT 14
US-10-035-832-1387
; Sequence 1387, Application US/10035832
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71249/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/035,832
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1613
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1387
; LENGTH: 1119
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-035-832-1387
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```
Query Match 33.5%; Score 757.4; DB 6; Length 1119;
Best Local Similarity 79.8%; Pred. No. 1,8e-191;
Matches 893; Conservative 0; Mismatches 226; Indels 0; Gaps 0;
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```
QY 129 ATGATATTTCATGGAATGTCAGAGCACCAGAGGACTTTATGAAATCTTCAAGTTG 188
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 1 atggtgttcacagagatgtgaggtactactggtggtcagagaaacacccgaagctg 60
QY 189 TGGGGTGGGCAATGCTCTGTTGATTTCCTGACATCATGGAACCTACTGCTGACT 248
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 61 tgggtcggagacgctgctgtgacttcctgatacaacaagaaactcactgtagact 120
QY 249 TACCATTTATCTGAAAAAACCATGAACTGGCAAGGCTGGAAGATTCTGCCGAGACAT 308
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 121 tacatattctcgaagaagccatgaactggaagaatgctgaagaagctcgaagaagaat 180
QY 309 TACACAGATTAGTTGCCATACAAACAGCGGAAATTAGTATCTGGAGAAAGACTCTG 368
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 181 tacacagatttagtcgacatacaaaacaagagaagaatlgagatttagagaatacactg 240
QY 369 CCTTCAGTGTGTTCTTACTGATGATGAAATCCGAAATAGAGAGAAATAGGAGCTGG 428
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 241 cccaagaagccctattactactgtagaagaaacaggaagaatlgggaagaatgtagaactg 300
QY 429 GTGGAAACCAAAATCTTCACAGTGAAGAGACAGAACTGGGAGATGCTGAGCCCAAC 488
|: ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
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Db 100 GTTAAACAGTGAGAAATCTTGATTCACATGAATGCTCTCTCCCTGCC 41  
Qy 2165 CAGACCTTTATCCACTTACCTAGATCTTACATATCTTT 2204  
Db 40 CAGACCTTTATCCACTTACCTAGATCTTACATATCTTT 1

RESULT 16  
US-10-040-862-4884/C

; Sequence 4884, Application US/10040862  
; GENERAL INFORMATION:  
; APPLICANT: Gaiger, Alexander  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Mannion, Jane  
; APPLICANT: Retter, Marc  
; APPLICANT: Corixa Corporation  
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy  
; FILE REFERENCE: 014058-013520US  
; CURRENT APPLICATION NUMBER: US/10/040,862  
; PRIOR FILING DATE: 2001-11-06  
; PRIOR APPLICATION NUMBER: US 60/186,126  
; PRIOR FILING DATE: 2000-03-01  
; PRIOR APPLICATION NUMBER: US 60/190,479  
; PRIOR FILING DATE: 2000-03-17  
; PRIOR APPLICATION NUMBER: US 60/200,545  
; PRIOR FILING DATE: 2000-04-27  
; PRIOR APPLICATION NUMBER: US 60/200,303  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: US 60/200,779  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: US 60/200,999  
; PRIOR FILING DATE: 2000-05-01  
; PRIOR APPLICATION NUMBER: US 60/202,084  
; PRIOR FILING DATE: 2000-05-04  
; PRIOR APPLICATION NUMBER: US 60/206,201  
; PRIOR FILING DATE: 2000-05-22  
; PRIOR APPLICATION NUMBER: US 60/218,950  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: US 60/222,903  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: US 60/223,416  
; PRIOR FILING DATE: 2000-08-04  
; PRIOR APPLICATION NUMBER: US 60/223,378  
; PRIOR FILING DATE: 2000-08-07  
; PRIOR APPLICATION NUMBER: US 09/796,692  
; PRIOR FILING DATE: 2001-03-01  
; NUMBER OF SEQ ID NOS: 10467  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 4884  
; LENGTH: 579  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (511)  
; OTHER INFORMATION: n-A,T,C or G  
US-10-040-862-4884

Query Match 24.9%; Score 562.2; DB 7; Length 579;  
Best Local Similarity 99.1%; Pred. No. 1.6e-139;  
Matches 575; Conservative 0; Mismatches 4; Indels 1; Gaps 1;  
Qy 1625 TTGATACATATGTGAATATGAGTCACTTTCTTGACATCAATTTACGCTGCTTCT 1684  
Db 579 TTGATACATATGTGAATATGAGTCACTTTCTTGACATCAATTTACGCTGCTTCT 520  
Qy 1685 GTATACCTGGAGTACACTCTTATAGAAAGTCAAGTCTACGCTCTCTTCTTTC 1744  
Db 519 GTATACCTGGAGTACACTCTTATAGAAAGTCAAGTCTACGCTCTCTTCTTTC 460  
Qy 1745 TAACCTCAGTGAAGTATGAGGCTCTGCTCAAGTTGAAGAGTCTATTGCACTGAGC 1804

Db 459 TAACCTCAGTGAAGTATGAGGCTCTGCTCAAGTTGAAGAGTCTATTGCACTGAGC 400  
Qy 1805 CTGCGCGTCTGTGAATTTGACCATCTATTTTAACTGGCTTACGCTCCACCTTCTTC 1864  
Db 399 CTCGCCGTCTGTGAATTTGACCATCTATTTTAACTGGCTTCA-CCCTCCACCTTCTTC 341  
Qy 1865 AGCCACCTCTCTTTTGTAGTGGCTGACTTCCACACCTAGCATCTCATGATGGCAAGA 1924  
Db 340 AGCCACCTCTCTTTTGTAGTGGCTGACTTCCACACCTAGCATCTCATGATGGCAAGA 281  
Qy 1925 AAAGAGAGAAAGAGAGAAATAGCTGCGCGTCTTTTGTAGTGGGGTTTGTCTTTC 1984  
Db 280 AAAGAGAGAAAGAGAGAAATAGCTGCGCGTCTTTTGTAGTGGGGTTTGTCTTTC 221  
Qy 1985 TTTTATGAGACCCATTCCTATTTCTTATAGTCAATGTTCTTTTATGACATATATTAG 2044  
Db 220 TTTTATGAGACCCATTCCTATTTCTTATAGTCAATGTTCTTTTATGACATATATTAG 161  
Qy 2045 TTAAGAAACATCACTGAATAGCTAGTGCAGAGTACATCTTGTATGTATATGAGAGA 2104  
Db 160 CAGAAACATCACTGAATAGCTAGTGCAGAGTACATCTTGTATGTATATGAGAGA 101  
Qy 2105 GTTAAACAGGTGAGAAATCTTGATTCACATGAATGCTCTCTTCCCTGCC 2164  
Db 100 GTTAAACAGGTGAGAAATCTTGATTCACATGAATGCTCTCTTCCCTGCC 41  
Qy 2165 CAGACCTTTATCCACTTACCTAGATCTTACATATCTTT 2204  
Db 40 CAGACCTTTATCCACTTACCTAGATCTTACATATCTTT 1

RESULT 17

US-10-040-862-5257/C  
; Sequence 5257, Application US/10040862  
; GENERAL INFORMATION:  
; APPLICANT: Gaiger, Alexander  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Mannion, Jane  
; APPLICANT: Retter, Marc  
; APPLICANT: Corixa Corporation  
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Ther  
; FILE REFERENCE: 014058-013520US  
; CURRENT APPLICATION NUMBER: US/10/040,862  
; PRIOR FILING DATE: 2001-11-06  
; PRIOR APPLICATION NUMBER: US 60/186,126  
; PRIOR FILING DATE: 2000-03-01  
; PRIOR APPLICATION NUMBER: US 60/190,479  
; PRIOR FILING DATE: 2000-03-17  
; PRIOR APPLICATION NUMBER: US 60/200,545  
; PRIOR FILING DATE: 2000-04-27  
; PRIOR APPLICATION NUMBER: US 60/200,303  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: US 60/200,779  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: US 60/200,999  
; PRIOR FILING DATE: 2000-05-01  
; PRIOR APPLICATION NUMBER: US 60/202,084  
; PRIOR FILING DATE: 2000-05-04  
; PRIOR APPLICATION NUMBER: US 60/206,201  
; PRIOR FILING DATE: 2000-05-22  
; PRIOR APPLICATION NUMBER: US 60/218,950  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: US 60/222,903  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: US 60/223,416  
; PRIOR FILING DATE: 2000-08-04  
; PRIOR APPLICATION NUMBER: US 60/223,378  
; PRIOR FILING DATE: 2000-08-07  
; PRIOR APPLICATION NUMBER: US 09/796,692  
; PRIOR FILING DATE: 2001-03-01  
; NUMBER OF SEQ ID NOS: 10467

```

; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5257
; LENGTH: 577
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (497)
; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-5257

Query Match      24.3%; Score 549.2; DB 7; Length 577;
Best Local Similarity 99.1%; Pred. No. 4,6e-136;
Matches 573; Conservative 0; Mismatches 3; Indels 2; Gaps 2;

QY 1628 ATACATATGTGAATATGAGCTAGTTTCTTGACAGATCAAAATTCACGTCGCTTCTGTA 1687
DB 577 ATACATATGTGAATATGAGCTAGTTTCTTGACAGATCAAAATTCACGTCGCTTCTGTA 518
QY 1688 TACTGTGAGGTACACTCTT-ATAGAAATTCAAAAGTCGCTCTCTCTCTTCTTA 1746
DB 517 TACTGTGAGGTACACTCTTATAGAAATTCAAAAGTCGCTCTCTCTCTTCTTCTTA 458
QY 1747 ACTCCAGTGAAGTAATGGGGCTCTGCTCAAGTTGAAAAGATCCTATTGCACTGTAGCCT 1806
DB 457 ACTCCAGTGAAGTAATGGGGCTCTGCTCAAGTTGAAAAGATCCTATTGCACTGTAGCCT 398
QY 1807 GCGCGTCTGTAATGGAGCATCCCTATTAACTGGCTTAAAGGCTCCACCTCTTCTAG 1866
DB 397 GCGCGTCTGTAATGGAGCATCCCTATTAACTGGCTTAA-CCCTCCACCTCTTCTAG 339
QY 1867 CCACCTCTCTTTTTCAGTTGGCTGACTTCCACACCTAGCATCTCATGATGCAAGCAAA 1926
DB 338 CCACCTCTCTTTTTCAGTTGGCTGACTTCCACACCTAGCATCTCATGATGCAAGCAAA 279
QY 1927 AGGAGAGAAAGAGAAATAGCCTCGCGGTTTTTAAATTGGGGTTTTGCTGTTCTCT 1986
DB 278 AGGAGAGAAAGAGAAACAGCTCGCGCTGTTTTTAAATTGGGGTTTTGCTGTTCTCT 219
QY 1987 TTATGAGCCCATTCCTATTCTTTATAGCAATGTTCTTTTATACGATATATTAGTA 2046
DB 218 TTATGAGCCCATTCCTATTCTTTATAGCAATGTTCTTTTATACGATATATTAGTA 159
QY 2047 AGAAAACATCATCTGAATAGCTAGTGAAGTACATCTCTTGATGTCATATGGAAGAT 2106
DB 158 AGAAAACATCATCTGAATAGCTAGTGAAGTACATCTCTTGATGTCATATGGAAGAT 99
QY 2107 TAAAACAGGTGAGAAATTCCTTGATTCACAATGAATGCTCTCTTCCCTGCCCA 2166
DB 98 TAAAACAGGTGAGAAATTCCTTGATTCACAATGAATGCTCTCTTCCCTGCCCA 39
QY 2167 GAACCTTTATCCACTTACCTAGATTCTACATTTCTTT 2204
DB 38 GAACCTTTATCCACTTACCTAGATTCTACATTTCTTT 1

RESULT 18
US-10-040-862-8471/c
; Sequence 8471, Application US/10040862
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040, 862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186, 126
; PRIOR FILING DATE: 2000-03-01
```

```

; PRIOR APPLICATION NUMBER: US 60/190, 479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200, 545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200, 303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200, 779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200, 999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202, 084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206, 201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218, 950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222, 903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223, 416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223, 378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796, 692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8471
; LENGTH: 512
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (447)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (450)
; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-8471

Query Match      21.9%; Score 494.2; DB 7; Length 512;
Best Local Similarity 98.8%; Pred. No. 2.1e-121;
Matches 507; Conservative 0; Mismatches 5; Indels 1; Gaps 1;

QY 1707 TATAGAAAGTTCAAAAAGTCTACGCTCTCTCTTTCTTAACTCCAGTGAAGTAATGGG 1766
DB 512 TATAGAAAGTTCAAAAAGTCTACGCTCTCTCTTTCTTAACTCCAGTGAAGTAATGGG 453
QY 1767 TCTGCTCAAGTTGAAAGATCTATTGTCACGTAGCGCTGCGCTGTGTAATGGAGC 1826
DB 452 TCTGCTCAAGTTGAAAGATCTATTGTCACGTAGCGCTGCGCTGTGTAATGGAGC 393
QY 1827 ATCTATTAACTGAGCTTCAGGCTCCGACCTCTCTTCAGGACCTCTCTTTCACTTG 1886
DB 392 ATCTATTAACTGAGCTTC-CCCTCCGACCTCTCTTCAGGACCTCTCTTTCACTTG 334
QY 1887 GGTGACTCCACACTACATCTCATGATGTCGCAAGCAAAAAGAGAGAGAAATAG 1946
DB 333 GGTGACTCCACACTACATCTCATGATGTCGCAAGCAAAAAGAGAGAGAAATAG 274
QY 1947 CCTGCGGCTTTTAAAGTTGGGGTTTTGCTGTTCTCTTTATAGAACCATTCCTATT 2006
DB 273 CCTGCGGCTTTTAAAGTTGGGGTTTTGCTGTTCTCTTTATAGAACCATTCCTATT 214
QY 2007 TCTTATAGTCAATGTTCTTTTATACAGATATTATTAGTAAGAAACATCAGTAATGC 2066
DB 213 TCTTATAGTCAATGTTCTTTTATACAGATATTATTAGTAAGAAACATCAGTAATGC 154
QY 2067 TAGTGCAGAGACATCTCTTGTGATGTCATATGGAAGAGTTAAACAGGTGAGAAATTC 2126
DB 153 TAGTGCAGAGACATCTCTTGTGATGTCATATGGAAGAGTTAAACAGGTGAGAAATTC 94
```



Qy	Db	Qy	Db
2127	93	2187	33
CTTATTTACAAAGAAATGCTGTCCTTTCCCGCCGCCAGAACTTTATCCACTTACT	CTTATTTACAAAGAAATGCTGTCCTTTCCCGCCGCCAGAACTTTATCCACTTACT	AGATTCTACATATTTCTTTAAATTTCACTCAGG	AGATTCTACATATTTCTTTAAATTTCACTCAGG
2186	34	2219	1
CTTATTTACAAAGAAATGCTGTCCTTTCCCGCCGCCAGAACTTTATCCACTTACT	CTTATTTACAAAGAAATGCTGTCCTTTCCCGCCGCCAGAACTTTATCCACTTACT	AGATTCTACATATTTCTTTAAATTTCACTCAGG	AGATTCTACATATTTCTTTAAATTTCACTCAGG

```

RESULT 19
US-10-040-862-8405
; Sequence 8405, Application US/10040862
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040, 862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8405
; LENGTH: 358
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (259)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (273)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (278)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (306)
; OTHER INFORMATION: n=A,T,C or G
; US-10-040-862-8405

```

	Query Match	Similarity	15.5%	Score 350.8	DB 7	Length 358
	Best Local	Similarity	98.3%	Pred. No. 3.1e-83		
	Matches	352	Conservative	0	Mismatches	6
					Indels	0
					Gaps	0
Oy	1862	TTTCACCCACCTCTCTTTTTCAGTGGCTACATTCACACCTAGCATTCATGAGTCCAA	1921			
Db	1	ttcagcacctctcttttttcagttgctgacttccacactgcatctcayagtgccaa	60			
Oy	1922	GCAAAAGAGAGAGAGAGAAATAGCCTGCGCGTTTTTTTAACTTTGGGGTTTTGCTGT	1981			
Db	61	gcaaaagagagagaagagaagaatagcgtcgctgttttttagtttggggcttgcgtgt	120			
Oy	1982	TCCCTTTTATGAGAACCCATTCCTTCTATTCTATAGTCATGTCTTCTTTATCAGAGATATTAT	2041			
Db	121	tccctttaaagaaaccattccattctctatagtaacatgcttcttcttatacagaataattat	180			
Oy	2042	TGTATGAAAGAAATCATCTGAATGCTAGCTGGAAGTGAAGATCTCTTTGATGTGATATGA	2101			
Db	181	tgtttaagaaaaacatactcctgaaatgctagctcgtgaagtgcacatctctcttgatgcataatgaa	240			
Oy	2102	AGAGTTAAACAAGGTGGAGAAATTCCTTGATTCACATGAATGCTCTCTTCCCTGAC	2161			
Db	241	agagttaaaacagcggganaaaatctcttgattacaaangaatgctctctcttcccccgcg	300			
Oy	2162	CCCCAGAACTTTTATTCACCTTACTGATGATTCATCATATTCTTTAAATTTTCATCTCAGG	2219			
Db	301	cccnacaccttatacacttaccagatattcacabattcttataatttcacatctcagg	358			

```

RESULT 20
US-10-040-862-6660
; Sequence 6660, Application US/10040862
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Ther
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040, 862
; CURRENT FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6660

```

```
; LENGTH: 359
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (142)
; OTHER INFORMATION: n=A,T,C or G
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (270)
; OTHER INFORMATION: n=A,T,C or G
; NAME/KEY: unsure
; LOCATION: (273)
; OTHER INFORMATION: n=A,T,C or G
US-10-040-862-6660
```

```
Query Match 14.7%; Score 332; DB 7; Length 359;
Best Local Similarity 97.5%; Pred. No. 3.2e-78;
Matches 346; Conservative 0; Mismatches 8; Indels 1; Gaps 1;
```

```
QY 25 ACCTCAGACAGCAGCACTCCCTT-GGCAAGAGACTGAGACCCCTTGCTAAGTCAAGA 83
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 5 accTgagcaagcacacactcccttTgycaaagacctgagacctgtgctaagTcaaga 64

QY 84 GCCTGAATGGCTGCAGAGAAGCTAGAGAAGAGACCAAGCAAGCCATGATATTTCATGG 143
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 65 ggtcctaagTggtctgagaagaactagagaagccaagaacaaagccatataTtccaTg 124

QY 144 AATGTGAGACGCCAGAGAGGACTTATGAACATCTTCAAGTTGTGGGGGTGAGCAATG 203
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 125 aaatTcagagacacccaanaggactatTgaaacatctTcaagtTgTggTgTgTgTgTg 184

QY 204 CTCGTGTGATTTCTTCCGACATCATGAACTCTGCTGACTTACCATTTATCTGAA 263
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 185 ctctgtTgtgtTtctccTgTgacataTgTgaacgcagctgtgtaactTaccatTatctTgaa 244

QY 264 AAACCAAGACTGGCAAGGCGTGAAGATTCTGCCGAGACAAATTACAGATTAGTT 323
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 245 aaacccaTgaactgTgcaaaaggtctanaaatctTgcTgagacaatTaaacagattTagt 304

QY 324 GCCATCAAAAACAGGCGGAAATTGATGTGAGAAAGACTTGCCTTCAGTC 378
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 305 gccatacaaaaacagTcgaaattTgatatctTgcTgaaacactTgcctTcaagcc 359
```

```
RESULT 21
PCT-US02-18947-488
; Sequence 488, Application PC/TUS0218947
; GENERAL INFORMATION:
; APPLICANT: Rosetta Pharmaceuticals
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-228
; CURRENT APPLICATION NUMBER: PCT/US02/18947
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 488
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; DATABASE ACCESSION NUMBER: NM_000450
; DATABASE ENTRY DATE: 2001-06-18
PCT-US02-18947-488
```

```
Query Match 13.7%; Score 310; DB 1; Length 3834;
Best Local Similarity 60.6%; Pred. No. 5.8e-72;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;
```

```
QY 242 CTGACCTTACCATTTATCTGAAAAACCATGAACTGGCAAGGGCTAGAGATTCTGCCG 301
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 179 ctgtctTacaacacacctTccacggaagctatTgactatTgagccagTgtctTatTgTca 238

QY 302 AGACAATTACACAGATTTAGTTGCCATACAAAACAAGCGGAAATTGATCTGGAGAA 361
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 239 gaaagTacaacacacccTgtTgcaatTcaaaaacaaagaagatTgTgTactTcaaacTc 298

QY 362 GACTTGCCCTTCAGTCTGTTTACTACTGATAGATAGCGGAAGATAGAGAGAAATATG 421
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 299 catatTgagctatTaccacaaTtatTactTgattTggaTccagaaaaTcaaatTgtTgTg 358

QY 422 GACGTGGTGGGAACCAACAATCTCTCAGTAAGAGACAGAGAACTGSGGAGATGATGA 481
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 359 gTctTggtTggaagaccacaaacTctTgacagaagaagccaagTactTggtTccaTgTga 418

QY 482 GCCCAACAACAAGAAACAAGAGAACTGCGTGGAGATCTATATCAAGACAAACAAGA 541
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 419 acccaacataTgTcaaaaagataTgagTactTgTgTgTgTgTgTgTgTgTgTgTgTgTg 478

QY 542 TGCAGCAAAATGGAAGATGACGCGCTGCCACAACCTAAGGACGCGCTTTCACAGC 601
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 479 TgtTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTg 538

QY 602 TTTCTTGCCAGCCCTGCTCATGCTAGTGGCCATGAGAATGTGTAGAAATCATCAATATCA 661
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 539 TgcctTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTg 598

QY 662 CACCTGCAACGTGTATGTGGGTACTATGCGCCCAAGTGTACGTTGTGATTCAGTGTGA 721
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 599 cactTgcaagTgtTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTg 658

QY 722 GCTTTGAGAGCGCCAGAGCTGGGATACCATGAGACTGTATCCACCCCTTGGAACTTCAG 781
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 659 agccctTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTg 718

QY 782 CTTCAGCTACAGTGTGCTTACGCTGCTGGAAGAAACAATTAACCTGGGATTGAGA 841
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 719 ctacattctTccTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTg 778

QY 842 AACCACTGTGGACCATTTTGGAACTGTCTATCTCCAGAACCAACCTGTCAAGATTTCA 901
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 779 catTgagTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTg 838

QY 902 GTGTGAGCCTTATTCAGACACAGATTGCGGATCATGAACTGTGCCATCCCTGGCCAG 961
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 839 gTgtTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTg 898

QY 962 CTTCAGCTTACCTCTGTCAGTACCTTCATCTGCTCAGAAAGAACTGATTAATTGGAA 1021
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 899 ctTcccatTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTg 958

QY 1022 GAAGAAAACATTTGTGATCATCTGGAATGTGCTGAATCTTCAATATGTCGA 1079
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 959 ccagagccTtcaTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTgTg 1016
```

```
RESULT 22
PCT-US02-23913-356
; Sequence 356, Application PC/TUS0223913
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc. et al.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044PC
; CURRENT APPLICATION NUMBER: PCT/US02/23913
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
```

```

; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 356
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
PCT-US02-23913-356

```

```

Query Match      13.7%; Score 310; DB 1; Length 3834;
Best Local Similarity 60.6%; Pred. No. 5.8e-72;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

```

```

QY 242 CTGGACTTACCATTTATCTGAAAAACCCAGAACTGGCAAAAGGCGTAGAATTCGCCG 301
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 179 ctggtcttaacaacacccccaagagactatgactatgagggcagctcttcttctca 238
QY 302 AGACAATTTACACAGATTCTTACCTGCAATCAAAACAGCGGAAATGAGTATCGAGAA 361
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 239 gcaaaagttacacacactgtgtgcaattcaaaacaaagaagatgtgacttaactc 298
QY 362 GACTCTGCCCTTCAGTGGTTCTTACTACTGATAGGAATCCGGAAGATAGGAGAAATATG 421
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 299 catattgactatcacaacactgtgtgcaattcaaaacaaagaagatgtgacttaactc 358
QY 422 GACGTGGGTGGGAAACAACAAATCTCAGTGAAGAGCAAGAACTGGGAGATGGTGA 481
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 359 ggtctgtgtgagacccaagaaacctcgacagaagaagcaagacggcctcaggtga 418
QY 482 GCCCAACAACAAGAAACAAGAGAGAGTGGTGGAGATCTATATCAAGAAACAAGA 541
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 419 acccaacaataggaagaagaatgtgagactgtgtgagatctcaagaagagaagaaga 478
QY 542 TGCAGGCAATTTGAGACATGACGCTGCCAACAATTAAGGACAGCCTCTGTTACACAGC 601
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 479 tgttgagcatgtgaaatgtgaaagtgcaagaagaagacgttcctatgtctacacagc 538
QY 602 TTCTTGGCAGCCCTGTGTCAGTGGCATGTGAGATGTGTAGAAATTCATCAATATCA 661
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 539 tgcctgtaccaatacaaccgcagctgagcaagtgcaatgtgtagagccatcaatacta 598
QY 662 CACCTGCACTGTGTGATGGGGTACTATGGGCCCACTGTCAGCTTGTGATTCAGTGTGA 721
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 599 caacttgcaagtgtgacccctgtcagcttgagatcgaagtgtgagcaaatgtgtgactgtac 658
QY 722 GCCTTTGGAGGCCCAAGAGCTGGGTACCATGAGACTGACTACCCCTTTGGAAACTTCAG 781
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 659 agccttggaaatcccttgagaaatgtgaaagcgtgtgtgcaagccacatgggaaacctcag 718
QY 782 CTTCAGCTCAGTCAAGTGTGCTTCAGCTGCTGGAAGAAACAACCTTAATCGGATTTGAGA 841
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 719 ctcaaatctctcctgtcctctacagctgtgataaggggttacctcccaagcagcaatggagac 778
QY 842 AACCACTGTGAGCAATTTGAAACTGTGATCTCCAGAAACAACCTGTCAAGTGAATTC 901
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 779 catgcaagtgtatgtctcttgagaaatgtgactcctcattccagcagcaatgtgtgtga 838
QY 902 GTGTGAGCTCTATACGACCAAGATTTGGGATCATGACTGATGACCATCCCTGGCCAG 961
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 839 gcttgagctgtgcaaatccatccaaatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 898
QY 962 CTTCAGCTTACCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1021
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 899 ctcccatgtgaacaacacccgttaccatgtgtgaaagaagatttcaactaatggagac 958
QY 1022 GAAGAAAAACCATTTGTGAATCATCTGGAATCTGGTCAAAATCTAGTCAATATGTC 1079
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 959 ccaagagcttcacgtgtgatacctcattcgtggaatgtgagacacagaagaagcaacgtgtgaa 1016

```

## RESULT 23

```

US-10-205-823-356
; Sequence 356, Application US/10205823
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangl
; APPLICANT: Monsey, Angela M.
; APPLICANT: Gialt, Karen
; APPLICANT: Zhao, Xunel
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 356
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-205-823-356

```

```

Query Match      13.7%; Score 310; DB 6; Length 3834;
Best Local Similarity 60.6%; Pred. No. 5.8e-72;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

```

```

QY 242 CTGGACTTACCATTTATCTGAAAAACCCAGAACTGGCAAAAGGCGTAGAATTCGCCG 301
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 179 ctggtcttaacaacacccccaagagactatgactatgagggcagctcttcttctca 238
QY 302 AGACAATTTACACAGATTCTTACCTGCAATCAAAACAGCGGAAATGAGTATCGAGAA 361
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 239 gcaaaagttacacacactgtgtgcaattcaaaacaaagaagatgtgacttaactc 298
QY 362 GACTCTGCCCTTCAGTGGTTCTTACTACTGATAGGAATCCGGAAGATAGGAGAAATATG 421
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 299 catattgactatcacaacactgtgtgcaattcaaaacaaagaagatgtgacttaactc 358
QY 422 GACGTGGGTGGGAAACAACAAATCTCAGTGAAGAGCAAGAACTGGGAGATGGTGA 481
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 359 ggtctgtgtgagacccaagaaacctcgacagaagaagcaagacggcctcaggtga 418
QY 482 GCCCAACAACAAGAAACAAGAGAGAGTGGTGGAGATCTATATCAAGAAACAAGA 541
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 419 acccaacaataggaagaagaatgtgagactgtgtgagatctcaagaagagaagaaga 478
QY 542 TGCAGGCAATTTGAGACATGACGCTGCCAACAATTAAGGACAGCCTCTGTTACACAGC 601
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 479 tgttgagcatgtgaaatgtgaaagtgcaagaagaagacgttcctatgtctacacagc 538
QY 602 TTCTTGGCAGCCCTGTGTCAGTGGCATGTGAGATGTGTAGAAATTCATCAATATCA 661
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 539 tgcctgtaccaatacaaccgcagctgagcaagtgcaatgtgtagagccatcaatacta 598

```

```
OY 662 CACCTGCAACTGTGATGGGGTACTATGGGCCACAGTGTGACCTTGTGATTCAGTGTGA 721
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 599 cacttgcaagtgtgaccctggcttcagtgaccctcaagtgttgacaattgtgacctgtac 658
OY 722 GCGTTTGAAGGCCAGAGCTGGGTACATGAGCTGTACTACCCCTTTGGAACCTTCAG 781
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 659 agccctggatccctccgcatggaagcgtgttgcaaccacactgggaacctcag 748
OY 782 CTTCACCTTACAGTGTGCTTCAGTGTGCTGTGAGAACACAACTTAACCTGGGTTAAGA 841
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 719 ctacaattctctctctcatcagctgtataggggttaacctgcgaagcagtgaagac 778
OY 842 AACCACTGTGACCACTTTGGAACCTGTATCTCCAGAACCACTGTCAATGTATCA 901
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 779 catgcaagtatgtctctctcgtggaatgagtgctctcatccagctgtcaatgtgttga 838
OY 902 GTGTGAGCCTTATACGACACAGATTGGGGATCATGAACTGTAGCCATCCCTGGCCAG 961
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 839 gtgtgctgtgacacaatccagccaatgtgtcgtggaatgttccaaaccctggaag 898
OY 962 CTTCAGCTTACCTGTGATGACTTACCTTCACTGTGAGAACCACTGTAATTGGGAA 1021
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 899 ctcccatggaacaacaactgtacattgtgacgtggaagaagattgtgaactgtggaagc 958
OY 1022 GAAGAAAACCAATTGTGAATCATCTGGAATCTGTCAAACTCTAGTCAATATGTCAA 1079
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 959 ccagagcctcagtgacctcatctcgtggaattggaacagagaagccaagcgtgttaa 1016
```

## RESULT 24

```
US-10-007-926A-261
; Sequence 261, Application US/10007926A
; GENERAL INFORMATION:
; APPLICANT: BERTUCCI, FRANCOIS
; APPLICANT: HOUIGATTE, REMI
; APPLICANT: BIRNBAUM, DANIEL
; APPLICANT: NGUYEN, CATHERINE
; APPLICANT: VIENS, PATRICE
; APPLICANT: FERT, VINCENT
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF PRIMARY BREAST CARCINOMAS
; TITLE OF INVENTION: USING ARRAYS OF CANDIDATE GENES
; FILE REFERENCE: 1346-R-00
; CURRENT APPLICATION NUMBER: US/10/007,926A
; CURRENT FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/254,090
; PRIOR FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 468
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 261
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: selectin e (endothelial adhesion molecule 1)
; OTHER INFORMATION: (SELE) gene.
US-10-007-926A-261
```

```
Query Match 13.7%: Score 310; DB 7: Length 3834;
Best Local Similarity 60.6%: Pred. No. 5.8e-72;
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;
OY 242 CTGCACTTACATTTATTTGAAAAACCATGCAACTGCAAAAGGGCTAGAGATTTCGCCG 301
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 179 ctggtcttaacaacacctcaacggaagtactatgataagcgaatgtcttatgttga 238
OY 302 AGACAATTACACAGATTTAGTTCCTATACAAAACAAGGCGGAATTTGATCTTGAGAA 361
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 239 gcaaaagtacacacacccgtgttgcattcaaaacaagaagattgtgtacctaaatc 298
OY 362 GACCTGTGCCCTTCACTGCTTCTTACTGATGATGAGATCCGGAAGATAGAGAAATATG 421
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

```
Db 299 catattgagctatcaccaagttattactgattgtgaatcagaaaaaagtcacaactgtgtg 358
OY 422 GACGTGGGTGGGACCAAAATCTCTCACTGAAGACGAGAACTGGGAGATGGTGA 481
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 359 ggtctgggaagaaaccagaacctctgacagaagaacccaagaactgtgtcccaagtgtga 418
OY 482 GCCCAACAAACAAGAAACAAAGAGAGACTGCTGAGATCTTATTCATGAGAAAAGA 541
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 419 acccaacaatgaagcaaaaagatgaggaactgtgtgagatctcatcaagaagaaaaaga 478
OY 542 TGCAGCAAAATGAAAGATGACGCTGCCACAACTAAAGGCGCCCTGTTCACAGC 601
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 479 tgttgagcaatgtgaatgagaaggtgtgacgaagaagaactgttccatctacacagc 538
OY 602 TTCTTGCCAGCCCTGGTATGATGAGTGGCCATGGAATGTGTGAATCATCAATATCA 661
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 539 tgcctgtacaaatacatctcgtcagtgagccacaggtgaatgtgtgagacataaatta 598
OY 662 CACCTGCAACTGTGATGTTGGGTACTATGAGGCCCCAGTGTGAGTGTGATTCAGTGTGA 721
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 599 cacttgcaagtgtgaccctggcttcagtgaccctcaagtgtgacaaatgtgaaactgttac 658
OY 722 GCGTTTGAAGGCCAGAGCTGGGTACATGAGCTGTACTACCCCTTTGGAACCTTCAG 781
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 659 agccctggatccctccgcatggaagcgtgtgttgcaagccaacccaactggaactcag 718
OY 782 CTTCAGCTTACAGTGTGCTGTGAGTGTGAGAACCAAACTTAACCTGGGATTTGAA 841
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 719 ctacaattctctctctcatcagctgtgataaggggttaacctgcgaacagacaggaagac 778
OY 842 AACCACTGTGACCACTTTGGAACCTGTATCTCCAGAACCACTGTCAATGTATCA 901
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 779 catgcaagtatgtctctctcgtggaatgagtgctctcatccagctgtcaatgtgttga 838
OY 902 GTGTGAGCCTTATACGACACAGATTGGGGATCATGAACTGTAGCCATCCCTGGCCAG 961
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 839 gtgtgctgtgacacaatccagccaatgtgtcgtggaatgttccaaaccctggaag 898
OY 962 CTTCAGCTTACCTGTGATGACTTACCTTCACTGTGAGAACCACTGTAATTGGGAA 1021
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 899 ctcccatggaacaacaactgtacattgtgacgtggaagaagattgtgaactgtggaagc 958
OY 1022 GAAGAAAACCAATTGTGAATCATCTGGAATCTGTCAAACTCTAGTCAATATGTCAA 1079
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 959 ccagagcctcagtgacctcatctcgtggaattggaacagagaagccaagcgtgttaa 1016
```

## RESULT 25

```
US-10-172-118-488
; Sequence 488, Application US/10172118
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Chris
; APPLICANT: Van 't Veer, Laura
; APPLICANT: Van de Vijver, Marc
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-175-999
; CURRENT APPLICATION NUMBER: US/10/172,118
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/380,770
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 488
; LENGTH: 3834
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION:
; DATABASE ACCESSION NUMBER: NM_000450
; DATABASE ENTRY DATE: 2001-06-18
```





```
Db 146 CCCAACAAAGAGAGAACAGAGAGACTGCTGAGATCTATATCAAGAGAAACAGAT 87
      |||
Qy 543 GCAGGCAAAATGAGACATGAGCCTGCCACAAATAAGAGAGCCCTCTGTACAGCT 602
      |||
Db 86 GCAGGCAAAATGAGACATGAGCCTGCCACAAATAAGAGAGCCCTCTGTGTACAGCT 27
      |||
Qy 603 TCTTGCCAGCCCTGTCATGCGATGG 628
      |||
Db 26 TCTTGCCAGCCCTGTCATGCGATGG 1

RESULT 29
US-09-442-384B-631
; Sequence 631, Application US/09442384B
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashov, Matvey
; TITLE OF INVENTION: Hematology/Immunology Array
; FILE REFERENCE: CLON-006CIP15
; CURRENT APPLICATION NUMBER: US/09/442,384B
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 830
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 631
; LENGTH: 3142
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-442-384B-631

Query Match 13.1%; Score 294.8; DB 5; Length 3142;
Best Local Similarity 57.3%; Pred. No. 6.1e-68;
Matches 533; Conservative 0; Mismatches 397; Indels 0; Gaps 0;

Qy 150 CAGAGCAACCCGAGGAACTTATGCAACCTTCAAGTTGGGGGTGGACAATGCTCTGT 209
      |||
Db 69 cagagatccagagagtggtcttggaattcccaactccttcctcagtcgacctgac 128
      |||
Qy 210 TGTGATTTCTGCGACATCATGAGAACCTACTGCTGACTTACATTAATTTGAAAACCC 269
      |||
Db 129 tctgaactaaacacgaagaagtgcgacatgagacttactaacagacaagaaca 188
      |||
Qy 270 ATGAACCTGGCAAGGCTAGAGATTCTGCCGAGACAAATTACAGAGATTTAGTCCATA 329
      |||
Db 189 tactcatggaatattcccgtaaaatcgcagaaatcgctacacagactagtgccatc 248
      |||
Qy 330 CAAACAAAGGCGGAAATGAGTATCTGGAAGAGCTGCGCCTTCAGTCGTTCTTATAC 389
      |||
Db 249 cagaaataaaatgaaatgattacccaataaagctccaaactactacagctccataac 308
      |||
Qy 390 TGGATAGGAATCCGGAAGATGAGAGATATGAGAGCTGGGTGGAGCAACCAAAATCTCTC 449
      |||
Db 309 tggatttggtatccgaagaacataagacatgagcatggtggtggaacacaaagagctctc 368
      |||
Qy 450 ACTGAGAGAGAGAGAACTGGGGAGATGCTGAGCCCAACAAAGAGAGAGAGAGAGAG 509
      |||
Db 369 acccaacagagctggaagactggctgatatgaaactaaacaaaggaacaaagagac 428
      |||
Qy 510 TGGGTGGAGATCTATATCAAGAGAAACAAAGATGAGCAATGAGCAATGAGAGCCCTGC 569
      |||
Db 429 tgggttgagataatacaataaagtcgcgtcagcccttgcaagtggaatgagagacatgc 488
      |||
Qy 570 CACAACTAAAGAGAGCCCTCTGTACAGACTTCTTGCCAGCCCTGCTCATGACGTGC 629
      |||
Db 489 ttgaagaaaaagacagcttggttaacacagctccctcgcaagacatgctcctgaagcaaa 548
      |||
Qy 630 CATGGAAGATGTGGAATATCATATATATACACCTTGCAACTGTGATGTGGGATCAT 689
      |||
Db 549 caagagagtgctcctcgagacatcggaactacacactgctcctgtttacccctgagttcat 608
```

```
Qy 690 GGGCCCGCAGTGCAGCTTGATGATTCAGTGTGAGGCTTTGAGGCCCGCAGACTGGATACC 749
      |||
Db 609 gggccagagatgtgatactagtgagagagtggtgagaaacttgagctccctcaacacagtgctc 668
      |||
Qy 750 ATGAGACTGTACTCACCCCTTTGGAAACTTACAGCTTCACAGTGTGCTTACAGCTGC 809
      |||
Db 669 atgagactgcagccaccccttggtgaaactctcttlaactcgagtgagacttccacatgc 728
      |||
Qy 810 TCTGAGGAAACAACTTACTGAGGATTTGAAAGAACACACACTGTGACCTTTGGAAACTGG 869
      |||
Db 729 actgcagtgtaaccaatgaatgagcccaagacagctggaatgcttggtcttcgaaatctgcg 788
      |||
Qy 870 TCATCTCCGAACCAACCTGTCAAGTGAATTCAGTGTGAGCCTCTATACGACACAGATTGG 929
      |||
Db 789 acaataaagctcccaagtggttagctgcgcagcagcagccacccctgaaagattccgaagaa 848
      |||
Qy 930 GGGATCATGAACTGATGACCTCCCTGGCCACAGCTTCACGCTTACCTGTGATGACTTC 989
      |||
Db 849 ggaacatgactgctcctcatctcgcgaagaagcatccagcatcagctagctgcagcttc 908
      |||
Qy 990 ATCTGCTCAGAGAGACGTGATTAATTTGGGAAGAAACCAATTTGCAATCATCTGGA 1049
      |||
Db 909 agtcgtgaagagagatgcatgtagtgcgaccggaagtggtgcaatgcaacagcttcgagg 968
      |||
Qy 1050 ATCTGCTCAAACTCTAGTCAATATGTCNA 1079
      |||
Db 969 gtatgagacagcccaagcccaagtggtgtaa 998
      |||
```

```
RESULT 30
US-10-035-832-1385
; Sequence 1385, Application US/10035832
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71249/RMS/DCF
; CURRENT APPLICATION NUMBER: US/10/035,832
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1613
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1385
; LENGTH: 35658
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11014)..(11033)
; OTHER INFORMATION: "n" at positions 11014 thru 11033 can be any base
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16841)..(17468)
; OTHER INFORMATION: "n" at positions 16841 thru 17468 can be any base
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (34295)..(34632)
; OTHER INFORMATION: "n" at positions 34295 thru 34632 can be any base
; NAME/KEY: misc_feature
; LOCATION: (35541)..(35658)
; OTHER INFORMATION: "n" at positions 35541 thru 35658 can be any base
US-10-035-832-1385
```

```
Query Match 12.8%; Score 289.2; DB 6; Length 35658;
Best Local Similarity 83.8%; Pred. No. 4.8e-66;
Matches 327; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

Qy 213 GATTTCTGCGACATCATGAGAACCTACTGCTGAGACTTACCATTTATTTGAAAACCCATG 272
```

```
Db 10000 gacttcctgatacacacggaactcctgcttgacttaccattatctcgaagcccatg 10059
OY 273 AACTGGCAAGGGGCTAGGAATCTGCCGAGCAATTTACAGATTTAGTTGCCATACAA 332
10060 aactgsgaaaatagctagaagaatcttcgaagcaaatataccagatttagtcgcatacaa 10119
OY 333 AACAGCGCGAAATTAGTATCTGGAGAAAGACTCTGCCCTTCACTGCTTCTTACTACTG 332
10120 aacaaagagaagaattgagatttagagaatacagctgcccaaaagcccttactactcgtg 10179
OY 393 ATAGGAATCCGGAAGATAGGAGGAATATGAGACGTGGTGGGAGCAACAAATCTGCAC 452
10180 ataggaaatcagaagaatctgggaaatcgtgacaatggtggtggaaccaaactccact 10239
OY 453 GAAGAAGCAGAGAACTGGGAGATGGTGAGCCCAACAGCAAGAAGCAAGAGAGACTGC 512
10240 aagaagacagagagactgggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 10299
OY 513 GTGGAGATCTATATCAAGAAACAAAGATGACAGGCAATGAGACATGACGCTGCCAC 572
10300 gtggagatctatatacaagagagacgactctggaatggaacgagtacgcctgtcac 10359
OY 573 AAACCTAAGGCAAGCCCTCTGTATACACAGCT 602
Db 10360 aacgaaaggcagcctctctgtacacagct 10389
```

```
RESULT 31
US-09-442-366A-1202
; Sequence 1202, Application US/09442366A
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashov, Matvey E.
; TITLE OF INVENTION: Human Array
; FILE REFERENCE: CLON-006CIP13
; CURRENT APPLICATION NUMBER: US/09/442,366A
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 2216
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 1202
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic gene fragment
US-09-442-366A-1202
```

```
Query Match 11.9%; Score 269.2; DB 5; Length 274;
Best Local Similarity 98.9%; Pred. No. 1.6e-61;
Matches 271; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 222 GCACATCATGGAACCTACTGCTGGAGATTACCATTTATTCGAAAAACCCATGAATGGCAA 281
1 gacatcatcaggaacccagcagctgacttaccattatctcgaaaacccatgactgcaaa 60
Db 1 gacatcatcaggaacccagcagctgacttaccattatctcgaaaacccatgactgcaaa 60
OY 282 AGGCGTAGAAGATTCTGCCGAGCAATTTACAGATTTAGTTGGCCATACAAAACAAGGGG 341
61 agggcctagaagattctgcgcgagacaattacacagatttgcctacatacaaaacaaggcg 120
Db 61 agggcctagaagattctgcgcgagacaattacacagatttgcctacatacaaaacaaggcg 120
OY 342 GAAATGATATCTGAGAGAAGACTGCGCTTCACTGCTTCTTACTACTGATAGGAATC 401
121 gaaatgatattctgagaagaagactcgtccttcagtcgttcttactactcgtgataagaa 180
Db 121 gaaatgatattctgagaagaagactcgtccttcagtcgttcttactactcgtgataagaa 180
OY 402 CGGAAGATAGGAGGAATATGACGTGGTGGAACCAACAATCTCTCACTGAAGAACA 461
181 cggaagatagggagaatattgacgtgggtgggaacccaacaacatcttactgaagaagca 240
Db 181 cggaagatagggagaatattgacgtgggtgggaacccaacaacatcttactgaagaagca 240
OY 462 GAGAACTGGGAGATGCTGAGCCCAACAACAAGA 495
1 gagaactggggagatgctgagcccaacaacaaga 495
```

```
Db 241 gagaactggggagatgctgagcccaacaacaaga 274
RESULT 32
US-09-442-384B-210
; Sequence 210, Application US/09442384B
; GENERAL INFORMATION:
; APPLICANT: Chenchik, Alex
; APPLICANT: Lukashov, Matvey
; TITLE OF INVENTION: Hematology/Immunology Array
; FILE REFERENCE: CLON-006CIP15
; CURRENT APPLICATION NUMBER: US/09/442,384B
; CURRENT FILING DATE: 1999-11-17
; PRIOR APPLICATION NUMBER: 09/053,375
; PRIOR FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 830
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 210
; LENGTH: 273
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Nucleic Acid Probe.
US-09-442-384B-210
```

```
Query Match 11.9%; Score 268.2; DB 5; Length 273;
Best Local Similarity 98.9%; Pred. No. 2.9e-61;
Matches 270; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 222 GCACATCATGGAACCTACTGCTGGAGATTACCATTTATTCGAAAAACCCATGAATGGCAA 281
1 gacatcatcaggaacccagcagctgacttaccattatctcgaaaacccatgactgcaaa 60
Db 1 gacatcatcaggaacccagcagctgacttaccattatctcgaaaacccatgactgcaaa 60
OY 282 AGGCGTAGAAGATTCTGCCGAGCAATTTACAGATTTAGTTGGCCATACAAAACAAGGGG 341
61 agggcctagaagattctgcgcgagacaattacacagatttgcctacatacaaaacaaggcg 120
Db 61 agggcctagaagattctgcgcgagacaattacacagatttgcctacatacaaaacaaggcg 120
OY 342 GAAATGATATCTGAGAGAAGACTGCGCTTCACTGCTTCTTACTACTGATAGGAATC 401
121 gaaatgatattctgagaagaagactcgtccttcagtcgttcttactactcgtgataagaa 180
Db 121 gaaatgatattctgagaagaagactcgtccttcagtcgttcttactactcgtgataagaa 180
OY 402 CGGAAGATAGGAGGAATATGACGTGGTGGAACCAACAATCTCTCACTGAAGAACA 461
181 cggaagatagggagaatattgacgtgggtgggaacccaacaacatcttactgaagaagca 240
Db 181 cggaagatagggagaatattgacgtgggtgggaacccaacaacatcttactgaagaagca 240
OY 462 GAGAACTGGGAGATGCTGAGCCCAACAACAAG 494
241 gagaactggggagatgctgagcccaacaacaag 273
Db 241 gagaactggggagatgctgagcccaacaacaag 273
```

```
RESULT 33
US-09-918-995-20021
; Sequence 20021, Application US/09918995
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 20021
; LENGTH: 438
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-20021

Query Match 11.1%; Score 250.6; DB 5; Length 438;
```







SEQ ID NO 357  
LENGTH: 267  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Synthesized gene fragment  
US-09-454-226A-357

Query Match 8.3%; Score 186.6; DB 5; Length 267;  
Best Local Similarity 81.5%; Pred. No. 1.7e-39;  
Matches 216; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

OY 640 GTGAGAAATCATTAATACACACTGCACATGTGATGTGCTACTATGGGCCCACT 699  
Db 1 gtgagaaatcataaacaacacccgacatcgtgacccaggatataaggcccaagt 60  
OY 700 GTCAGCTTGATTCAGTGTGAGGCTTTGGAGGCCAGACCTGGTACCATGAGCTGTA 759  
Db 61 gtcaatgtgatccaatgtgagccttgaaggccctgagctgatacctgacatgta 120  
OY 760 CTCACCCCTTGGAACTTCACTTCACAGTGTGCTTCACTGCTCTGAAGGAA 819  
Db 121 ttcaccccttggagactcagcttcacagctgcttcaactgtctcgaaggaa 180  
OY 820 CAACCTTACGCGGATTGAGGAACCAACCTGTGACCATTTGGAACGTGATCTCCAG 879  
Db 181 gcggagcacttggagaaacacagagatgtagcatctggaactggaacatgacatctag 240  
OY 880 AACCAACCTGTCAAGTATTCAGTG 904  
Db 241 agcaatctgtcaagtattcagtgatctag 265

RESULT 38  
US-10-040-862-6456  
Sequence 6456, Application US/10040862  
GENERAL INFORMATION:  
APPLICANT: Gaiger, Alexander  
APPLICANT: Algate, Paul A.  
APPLICANT: Mannion, Jane  
APPLICANT: Retter, Marc  
APPLICANT: Corixa Corporation  
TITLE OF INVENTION: Hematological Malignancies  
FILE REFERENCE: 014058-013520US  
CURRENT FILING DATE: 2001-11-06  
PRIOR APPLICATION NUMBER: US/10/040, 862  
PRIOR FILING DATE: 2000-03-01  
PRIOR APPLICATION NUMBER: US 60/186,126  
PRIOR FILING DATE: 2000-03-17  
PRIOR APPLICATION NUMBER: US 60/190,479  
PRIOR FILING DATE: 2000-04-27  
PRIOR APPLICATION NUMBER: US 60/200,545  
PRIOR FILING DATE: 2000-04-28  
PRIOR APPLICATION NUMBER: US 60/200,303  
PRIOR FILING DATE: 2000-04-28  
PRIOR APPLICATION NUMBER: US 60/200,779  
PRIOR FILING DATE: 2000-04-28  
PRIOR APPLICATION NUMBER: US 60/200,999  
PRIOR FILING DATE: 2000-05-01  
PRIOR APPLICATION NUMBER: US 60/202,084  
PRIOR FILING DATE: 2000-05-04  
PRIOR APPLICATION NUMBER: US 60/206,201  
PRIOR FILING DATE: 2000-05-22  
PRIOR APPLICATION NUMBER: US 60/218,950  
PRIOR FILING DATE: 2000-07-14  
PRIOR APPLICATION NUMBER: US 60/222,903  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: US 60/223,416  
PRIOR FILING DATE: 2000-08-04  
PRIOR APPLICATION NUMBER: US 60/223,378  
PRIOR FILING DATE: 2000-08-07  
PRIOR APPLICATION NUMBER: US 09/796,692

PRIOR FILING DATE: 2001-03-01  
NUMBER OF SEQ ID NOS: 10467  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 6456  
LENGTH: 193  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: unsure  
LOCATION: (174)  
OTHER INFORMATION: n=A,T,C or G  
US-10-040-862-6456

Query Match 7.4%; Score 167.8; DB 7; Length 193;  
Best Local Similarity 97.8%; Pred. No. 1.5e-34;  
Matches 180; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

OY 25 ACCTGACAGCAGCAGCACTCCCTTT-GGCAAGACCTGAGACCCCTGTGCTAAGTCAAGA 83  
Db 9 accgcagcagacagacactcccttggcagagaccgagacccttgcataagtaaga 68  
OY 84 GGCTCAATGGGCTGCAGAAAGTACAGAGAGACCAAGCAAGCATGATATTTCCATGG 143  
Db 69 ggcataatgggctgcagaaagactagagagagaccagcaagcatatattccatgg 128  
OY 144 AAATGTACAGACACCCAGAGGACTTATGAACTTTCAAGTTGTGGGGTGACAAATG 203  
Db 129 aaatgtacagacacccagagagactatgaaacttcaagttcggnggggtgagacatg 188  
OY 204 CTCCT 207  
Db 189 cctt 192

RESULT 39  
US-10-027-632-82205/c  
Sequence 82205, Application US/10027632  
GENERAL INFORMATION:  
APPLICANT: Wang, David G.  
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
FILE REFERENCE: 108827.129  
CURRENT APPLICATION NUMBER: US/10/027, 632  
CURRENT FILING DATE: 2002-04-30  
PRIOR APPLICATION NUMBER: US 60/218,006  
PRIOR FILING DATE: 2000-07-12  
PRIOR APPLICATION NUMBER: US 60/198,676  
PRIOR FILING DATE: 2000-04-20  
PRIOR APPLICATION NUMBER: US 60/193,483  
PRIOR FILING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: US 60/185,218  
PRIOR FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/167,363  
PRIOR FILING DATE: 1999-11-23  
PRIOR APPLICATION NUMBER: US 60/156,358  
PRIOR FILING DATE: 1999-09-28  
PRIOR APPLICATION NUMBER: US 60/146,002  
PRIOR FILING DATE: 1999-08-09  
NUMBER OF SEQ ID NOS: 325720  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 82205  
LENGTH: 642  
TYPE: DNA  
ORGANISM: Human  
US-10-027-632-82205

Query Match 6.3%; Score 143.2; DB 7; Length 642;  
Best Local Similarity 63.8%; Pred. No. 8.8e-28;  
Matches 217; Conservative 0; Mismatches 123; Indels 0; Gaps 0;

OY 242 CTGACCTTACCATTTATCTGAAAGCAACCATGACACTGGCAAGGCGTGAAGATTCTGCCG 301

```
Db 343 CTGGTCTTACACACCTCCACGGAAGCTATGACTTATGAGAGGCCAGTCTTATTGTCA 284
OY 302 AGACAATTACACAGATTATAGTCCATACAAACAAAGCGGAAATGAGATGGAGAA 361
Db 283 GCAAGAGTACACACACTGTTCAATTCAAAACAAAGAAATGAGTAACTC 224
OY 362 GACTCTGCCCTTCAGTCTTACTACTGATAGGAAATCCGAGATAGAGAAATATG 421
Db 223 CATATTGAGCTATTACCAAGATTATTACTGATTTGGAATGAAAGTCAACAATGTGTG 164
OY 422 GACGTGGGTGGGACCAACAATCTCTCAGTGAAGACAGAGAACTGGGAGATGTGA 481
Db 163 GGTCTGGGTAGGAAACCAAGAACTCTGACAGAAAGCAAGCAAGCTGGGCTCAGGTGA 104
OY 482 GCCCAACAACAAGAAAGACAGAGAGTGGCTGGAGATCTATATCAAGAAACAAGA 541
Db 103 ACCCAACAATAGGCAAAAAGATAGAGACTGCGTGGAGATCTACATCAAGAGAAAAA 44
OY 542 TGCAGGCAATGGAACGATGACGCTGCCAACAATTAAG 581
Db 43 TGTGGGCAATGTGATGATGAGAGGTGCAAGCAAGAAG 4
```

```
RESULT 40
US-10-027-632-38354/c
; Sequence 38354, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: fastseq for Windows Version 4.0
; SEQ ID NO 38354
; LENGTH: 648
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-38354
```

```
Query Match 6.3%; Score 143.2; DB 7; Length 648;
Best Local Similarity 63.8%; Pred. No. 8.e-28;
Matches 217; Conservative 0; Mismatches 123; Indels 0; Gaps 0;
```

```
OY 242 CTGGACTTACCTTTTCTGAAAAACCATGAGTGGCAAGGCTAGAAATCTGCGG 301
Db 358 CTGGTCTTACACACCTCCACGGAAGCTATGATGAGGCCAGTCTTATTGTCA 299
OY 302 AGACAATTACAGAGATTAGTGCATACAAACAAAGCGGAAATGAGTATCTGAGAA 361
Db 298 GCAAGAGTACACACCTGTTGCAATTCAAAACAAAGAGATTGAGTAAACTC 239
OY 362 GACTCTGCCCTTCAGTCTTACTACTGATAGGAATCCGAGATAGAGAAATATG 421
Db 238 CATATTGAGCTTTACCAAGATTATTACTGATTTGGAATCAGAAAAGTCAACAATGTGTG 179
```

```
OY 422 GACGTGGGTGGGAACCAACAATCTCTCAGTGAAGACAGAGAACTGGGAGATGTGA 481
Db 178 GGTCTGGGTAGGAACCAACCAAGAACTCTGACAGAAAGCAAGAACTGGGCTCAGGTGA 119
OY 482 GCCCAACAACAAGAAAGACAGAGAGTGGCTGGGAGATCTATATCAAGAAACAAGA 541
Db 118 ACCCAACAATAGGCAAAAAGATGAGAGTGGCTGGAGATCTACATCAAGAGAAAAA 59
OY 542 TGCAGGCAATGGAACGATGACGCTGCCAACAATTAAG 581
Db 58 TGTGGGCAATGTGATGATGAGAGGTGCAAGCAAGAAG 19
```

Search completed: September 4, 2002, 11:25:33  
Job time: 10266 sec

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: September 4, 2002, 08:34:27 ; Search time 3840.13 seconds  
(without alignments)  
12726.974 Million cell updates/sec

Title: US-09-119-209-1  
Perfect score: 2259  
Sequence: 1 GAATTCAGCTGCTGGCTT.....CCGCCAGCAGCTGGAATTC 2259

Scoring table:  
IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 21979536 seqs, 10817449327 residues

Total number of hits satisfying chosen parameters: 43959072

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2259	100.0	2259	15 US-09-119-209-1	Sequence 1, Appl1
2	2161	95.7	2354	14 US-09-023-655-1154	Sequence 1154, Ap
3	2161	95.7	2354	18 US-09-442-384A-625	Sequence 625, App
4	2161	95.7	2354	18 US-09-442-589B-779	Sequence 779, App
5	2161	95.7	2354	33 US-09-880-107-2306	Sequence 2306, Ap
6	2151.6	95.2	2385	37 US-10-002-600-8	Sequence 8, Appl1
7	2151.6	95.2	2385	63 US-60-243-521-8	Sequence 22258, A
8	2151.6	95.2	2385	71 US-60-324-185-22258	Sequence 1118, Ap
9	2150	95.2	2564	17 US-09-396-970-8480	Sequence 8480, Ap
10	2150	95.2	2564	17 US-09-396-970-8480	Sequence 292, App
11	2146.8	95.0	2385	18 US-09-495-050A-292	Sequence 292, App
12	2146.8	95.0	2385	50 US-60-118-318-292	Sequence 2338, Ap
13	2140.6	94.8	2386	66 US-60-278-258-2538	Sequence 137, App
14	2138.8	94.7	2324	36 US-09-897-722-137	Sequence 15742, A
15	2129.6	94.3	2387	56 US-60-172-373-15742	Sequence 30, Appl1
16	2127.8	94.2	2350	32 US-09-836-544A-30	Sequence 30, Appl1
17	2127.8	94.2	2350	32 US-09-836-544A-30	Sequence 377, App
18	2093.2	92.7	2330	30 US-09-760-475-377	Sequence 1, Appl1
19	2087.6	92.4	2330	1 PCT-US92-03970-1	Sequence 1, Appl1
20	2087.6	92.4	2330	1 PCT-US94-00909-1	Sequence 1, Appl1
21	2087.6	92.4	2330	4 US-08-008-459-1	Sequence 1, Appl1
22	2087.6	92.4	2330	7 US-08-340-539-1	Sequence 1, Appl1
23	2087.6	92.4	2330	8 US-08-410-569-1	Sequence 1, Appl1
24	1605.4	71.1	1788	55 US-60-164-285-5139	Sequence 5139, Ap
25	1605.4	71.1	1788	55 US-60-164-285-5456	Sequence 5456, App
26	1117.2	49.5	1213	30 US-09-760-443-684	Sequence 684, App
27	1117.2	49.5	1213	30 US-09-760-475-1506	Sequence 1506, App
28	1107.8	49.0	1119	1 PCT-US01-26675-2	Sequence 2, Appl1
29	1107.8	49.0	1119	36 US-09-997-722-138	Sequence 138, App
30	1035	45.8	1298	29 US-09-758-443-424	Sequence 424, App
31	1035	45.8	1298	30 US-09-760-443-575	Sequence 575, App



OY	1021	AGAGAAAAACCATTTTGGATTCATCTGGATCTGGCAATCTGATCCATATATGTCAA	1080
Dd	1021	AGAGAAAAACCATTTTGGATTCATCTGGATCTGGCAATCTGATCCATATATGTCAA	1080
OY	1081	AATTGGACAAAAGTTTCTCATATGATTAAGGAGGGGTATTTAAACCCCTTCATTTCCAG	1140
Dd	1081	AATTGGACAAAAGTTTCTCATATGATTAAGGAGGGGTATTTAAACCCCTTCATTTCCAG	1140
OY	1141	TGGCAGTCATGGTTACTGCATTTCTGGGTGGCATTTTATCATTTTGGCTGGCAAGAGAT	1200
Dd	1141	TGGCAGTCATGGTTACTGCATTTCTGGGTGGCATTTTATCATTTTGGCTGGCAAGAGAT	1200
OY	1201	TAAAAAAAAGGCAGAAATCCAGAAGAGATGTGAATACCCCATATTAATACGCCCTTGGTG	1260
Dd	1201	TAAAAAAAAGGCAGAAATCCAGAAGAGATGTGAATACCCCATATTAATACGCCCTTGGTG	1260
OY	1261	AAGAAAAATTTCTGGATTACTAAAAATCATAGATCCCTTTAAATCCCTTCATGAAGAGTT	1320
Dd	1261	AAGAAAAATTTCTGGATTACTAAAAATCATAGATCCCTTTAAATCCCTTCATGAAGAGTT	1320
OY	1321	TTTGGTGGTGGCACCTCCATACGTCAAAACATGAAGTGTGTCCCTGAGTGCATCTGGAG	1380
Dd	1321	TTTGGTGGTGGCACCTCCATACGTCAAAACATGAAGTGTGTCCCTGAGTGCATCTGGAG	1380
OY	1381	ATTTCTTACCCGACCAACAGATTTCTTCAAGCTTCCATTTGGCCCCCTCATTTATCCCTCAAC	1440
Dd	1381	ATTTCTTACCCGACCAACAGATTTCTTCAAGCTTCCATTTGGCCCCCTCATTTATCCCTCAAC	1440
OY	1441	CCGAGCCCAAGGGTTTATACAGCTCAGTTTCTCTTTCTGAGGAACAAATAA	1500
Dd	1441	CCGAGCCCAAGGGTTTATACAGCTCAGTTTCTCTTTCTGAGGAACAAATAA	1500
OY	1501	GACCATTAAGGAAAGATATCATGTGGAATTTAAAGATGGCTACATTTGCTTTTGTGAC	1560
Dd	1501	GACCATTAAGGAAAGATATCATGTGGAATTTAAAGATGGCTACATTTGCTTTTGTGAC	1560
OY	1561	TCCTGTTTTCAGTTTCATTTCAATTCAGTCTGTATGATGACAGACACTTCTAAATGAAGTGC	1620
Dd	1561	TCCTGTTTTCAGTTTCATTTCAATTCAGTCTGTATGATGACAGACACTTCTAAATGAAGTGC	1620
OY	1621	AAATTTGATCATATGTGAATATGAGCTAGTTTCTTGCAATCAATTCACGTGGTGC	1680
Dd	1621	AAATTTGATCATATGTGAATATGAGCTAGTTTCTTGCAATCAATTCACGTGGTGC	1680
OY	1681	TTTCTGTATCTGTGAGAGTCACTCTTATAGAAAGTTCAAAAAGTCTACGCTCTCTTC	1740
Dd	1681	TTTCTGTATCTGTGAGAGTCACTCTTATAGAAAGTTCAAAAAGTCTACGCTCTCTTC	1740
OY	1741	TTTTCTAACCTCCAGTGAAGATAGTGGGGTCCCTGCTCAAGTTGAAAGAGTCCATTTTGCACGTG	1800
Dd	1741	TTTTCTAACCTCCAGTGAAGATAGTGGGGTCCCTGCTCAAGTTGAAAGAGTCCATTTTGCACGTG	1800
OY	1801	TAGCCTGGCGGTCTGTGAATTTGGAACCATCTTATTAACCTGCTTCAGGCTCCACACTT	1860
Dd	1801	TAGCCTGGCGGTCTGTGAATTTGGAACCATCTTATTAACCTGCTTCAGGCTCCACACTT	1860
OY	1861	CTTCAGCACCTCTCTTTTTCAGTTGAGTGCAGTCCACACCTAGCATCTCATGAGTGC	1920
Dd	1861	CTTCAGCACCTCTCTTTTTCAGTTGAGTGCAGTCCACACCTAGCATCTCATGAGTGC	1920
OY	1921	AGCAAAAAGAGAGAGAGAAATAGCTGGCGGGTTTTTTTATGTTTGGGGGGTTTTTGCTGT	1980
Dd	1921	AGCAAAAAGAGAGAGAGAAATAGCTGGCGGGTTTTTTTATGTTTGGGGGGTTTTTGCTGT	1980
OY	1981	TTTCTTTTATGAGACCATTTCTTATATTTCTTATATAGTCAATGTTCTTTTATACGATATTA	2040
Dd	1981	TTTCTTTTATGAGACCATTTCTTATATTTCTTATATAGTCAATGTTCTTTTATACGATATTA	2040
OY	2041	TTTATTAAGAAAAATCATCTGAATAATGCTAGTGCAGATGCTCTTTGATATCTCATATGG	2100
Dd	2041	TTTATTAAGAAAAATCATCTGAATAATGCTAGTGCAGATGCTCTTTGATATCTCATATGG	2100
OY	2101	AAGAGTTAAAAACAGGTGAGAAATTTCTCTTGATTTACAAATGAATGCTCTCTTCCCTG	2160

[illegible]

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RESULT      2
US-09-023-655-1154
: Sequence 1154, Application US/09023655
: GENERAL INFORMATION:
: APPLICANT: Cocks, Benjamin G.
: APPLICANT: Susan G. Stuart
: APPLICANT: Jeffrey J. Sellhammer
: TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
: TITLE OF INVENTION: EXPRESSION
: NUMBER OF SEQUENCES: 1508
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
: STREET: 3174 PORTER DRIVE
: CITY: PALO ALTO
: STATE: CALIFORNIA
: COUNTRY: USA
: ZIP: 94304
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/023,655
: FILING DATE: HERewith
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Zeller, Karen J.
: REGISTRATION NUMBER: 37,071
: REFERENCE/DOCKET NUMBER: PA-0001 US
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (650) 845-0555
: TELEFAX: (650) 845-4166
: INFORMATION FOR SEQ ID NO: 1154:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2354 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: LIBRARY: GENBANK
: CLONE: g187182
US-09-023-655-1154

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	Query Match	95.7%;	Score 2161;	DB 14;	Length 2354;
	Best Local Similarity	99.4%;	Pred. No. 0;		
	Matches 2200;	Conservative	0;	Mismatches 10;	Indels 3;
				Gaps	3;
QY	25	ACCTGACAGACGACACACCTCCCTTTGGCAAGGACCTGAGACCTTGTCTAAGTCAAGG	84		
Db	12	ACCTGACAGACGACACACCTCTTTGGGGCAAGGACCTGAGACCTCTGTCTAAGTCAAGG	71		
QY	85	GCTCATGGGGCTGGCAAGAACACTAGAGGAAGGACCAAGCAACCATGATATTTCATGGA	144		
Db	72	GCTCATATGGGCTGGCAAGAACACTAGAGGAAGGACCAAGCAACCATGATATTTCATGGA	131		

QY 145 AATGTGAGACGACCCAGAGGAGCTTATGAAACATCTTCAAGTTGTGGGGTGGCAATGCG 204  
 Db 132 AATGTGAGACGACCCAGAGGAGCTTATGAAACATCTTCAAGTTGTGGGGTGGCAATGCG 191  
 QY 205 TCTGTGTGATTCCTGGGCATCATGGAACCTTACTGCTGGACTTACCATTAATTTCTGAAA 264  
 Db 192 TCTGTGTGATTCCTGGGCATCATGGAACCTTACTGCTGGACTTACCATTAATTTCTGAAA 251  
 QY 265 AACCCATGAATGCGCAAAAGGGCTAGAAAGATCTGCGGAGCAATTTACAGATTTAGTTG 324  
 Db 252 AACCCATGAATGCGCAAAAGGGCTAGAAAGATCTGCGGAGCAATTTACAGATTTAGTTG 311  
 QY 325 CCAATACAAAACAAGCGGGAATTTAGTATCTGGAAGAACTGCTCCCTTACGCTGTTCTT 384  
 Db 312 CCAATACAAAACAAGCGGGAATTTAGTATCTGGAAGAACTGCTCCCTTACGCTGTTCTT 371  
 QY 385 ACTACAGATAGGAATCCGGAAGATAGGAGATATGAGAGTATGAGAGTATGAGAGTATGAG 444  
 Db 372 ACTACAGATAGGAATCCGGAAGATAGGAGATATGAGAGTATGAGAGTATGAGAGTATGAG 431  
 QY 445 CTCTCACTGAAGAAGAGAGAACTGGGAGATGGTGAAGCCCAACAAGAAAGAACAG 504  
 Db 432 CTCTCACTGAAGAAGAGAGAACTGGGAGATGGTGAAGCCCAACAAGAAAGAACAG 491  
 QY 505 AGGACTGCGTGGAGATCTATATCAAGAAACAAGATGAGCAAAATGGAAGATGAGC 564  
 Db 492 AGGACTGCGTGGAGATCTATATCAAGAAACAAGATGAGCAAAATGGAAGATGAGC 551  
 QY 565 CCGTCACACAACTAAAGGAGAGCCCTGTGTACACAGCTTCTGGCCGCTGGTCAATGCA 624  
 Db 552 CCGTCACACAACTAAAGGAGAGCCCTGTGTACACAGCTTCTGGCCGCTGGTCAATGCA 611  
 QY 625 GTGGCCATGAGAAATGTGAGAAATCATCAATATATCAACCTGCAACTGTGATGTTGGGT 684  
 Db 612 GTGGCCATGAGAAATGTGAGAAATCATCAATATATCAACCTGCAACTGTGATGTTGGGT 671  
 QY 685 ACTATGAGGCGCCAGTGTCAAGCTTGTGATTCAGTGTGAGAGCTTTGGAGGCGCCAGAGCTG 744  
 Db 672 ACTATGAGGCGCCAGTGTCAAGCTTGTGATTCAGTGTGAGAGCTTTGGAGGCGCCAGAGCTG 731  
 QY 745 GTACCATGAGCTGTACTACCCCTTTGGAACTTCAAGCTTCAAGCTCAAGTGTGAGCTTCA 804  
 Db 732 GTACCATGAGCTGTACTACCCCTTTGGAACTTCAAGCTTCAAGCTTCAAGTGTGAGCTTCA 791  
 QY 805 GCTGCTCTGAGGAACAACCTTAACCTGGATTTGAAGAAAACAACCTGTGAGCAATTTGGA 864  
 Db 792 GCTGCTCTGAGGAACAACCTTAACCTGGATTTGAAGAAAACAACCTGTGAGCAATTTGGA 851  
 QY 865 ACTGTCATCTCCAGAACCAACCTGTGCAAGTATTCAGTGTGAGAGCTCTATATAGACACAG 924  
 Db 852 ACTGTCATCTCCAGAACCAACCTGTGCAAGTATTCAGTGTGAGAGCTCTATATAGACACAG 911  
 QY 925 AATTGGGAGATCATGAACCTGTAGCCATCCCTGGCCAGCTTCAAGCTTCAAGCTGTGATGTA 984  
 Db 912 AATTGGGAGATCATGAACCTGTAGCCATCCCTGGCCAGCTTCAAGCTTCAAGCTGTGATGTA 971  
 QY 985 CCTTATCTGCTCAGAAAGAACTGATTAATTTGGCAAGAAAACAATTTGTGATCAT 1044  
 Db 972 CCTTATCTGCTCAGAAAGAACTGATTAATTTGGCAAGAAAACAATTTGTGATCAT 1031  
 QY 1045 CTGGAATCTGCTCAATCTGTAGTCCATATATGCAAAAATTTGGCAAAAAGTTTCTCAATGA 1104  
 Db 1032 CTGGAATCTGCTCAATCTGTAGTCCATATATGCAAAAATTTGGCAAAAAGTTTCTCAATGA 1091  
 QY 1105 TTAAAGGAGGATTTAATACCCCTTTCATTCAGAGTGCATGCTTACGATCT 1164  
 Db 1092 TTAAAGGAGGATTTAATACCCCTTTCATTCAGAGTGCATGCTTACGATCT 1151  
 QY 1165 CTGGGTTGGCATTTATCATTTTGGCTGGCAAGAGATTTAAAAAAGCAAGAAATCCAGA 1224  
 Db 1152 CTGGGTTGGCATTTATCATTTTGGCTGGCAAGAGATTTAAAAAAGCAAGAAATCCAGA 1211  
 QY 1225 GAAATATGAATGACCAATATTAATTCGCCCTTGGTGAAGAAAATTTCTTGAATATCTAAA 1284

Db 1212 GAAGTATGATGACCCATATTAATGCGCCTTGCTGTGTAAGAAAATTTCTTGAAATCTAAA 1271  
 QY 1285 AATCATGAGATCTCTTTAAATCCCTTCATGAAGAGTTTGTGTGGGCACTCTACGTC 1344  
 Db 1272 AATCATGAGATCTCTTTAAATCCCTTCATGAAGAGTTTGTGTGGGCACTCTACGTC 1331  
 QY 1345 AATCATGAGATGTCG-TTCCCTGATGTCATGCTGGGAAGATTTCTACCCGACCAAGTTC 1403  
 Db 1332 AATCATGAGATGTCG-TTCCCTGATGTCATGCTGGGAAGATTTCTACCCGACCAAGTTC 1391  
 QY 1404 TTCAGCTTCATTTGCCCCCTCATTTATCCCTCAACCCGCCACCCAGAGTGTATACA 1463  
 Db 1392 TTCAGCTTCATTTGCCCCCTCATTTATCCCTCAACCCGCCACCCAGAGTGTATACA 1451  
 QY 1464 GCTCAGCTTTTGTCTTTTCTGAGGAAACAATTAAGACCAT-AAAGGAAAGATTCAT 1522  
 Db 1452 GCTCAGCTTTTGTCTTTTCTGAGGAAACAATTAAGACCAT-AAAGGAAAGATTCAT 1511  
 QY 1523 GTGGAATATAAAGATGAGCTTGTGCTTCTGTGAGCTTGTGAGTTGATTCAT 1582  
 Db 1512 GTGGAATATAAAGATGAGCTTGTGCTTCTGTGAGCTTGTGAGTTGATTCAT 1571  
 QY 1583 GTGCTGTACTGATGACAGACACTTCTAAATGAAGTGCAAAATTTGATACATATGTAATA 1642  
 Db 1572 GTGCTGTACTGATGACAGACACTTCTAAATGAAGTGCAAAATTTGATACATATGTAATA 1631  
 QY 1643 TGGACTCATGTTTCTTCTGAGATCAATTTACAGTGTCTTCTGATATCTGTGAGATGCA 1702  
 Db 1632 TGGACTCATGTTTCTTCTGAGATCAATTTACAGTGTCTTCTGATATCTGTGAGATGCA 1691  
 QY 1703 CTCTTATGAAGAAAGTGCAAAAGTCTAGCCTCTCTCTTCTTCTTAACTGAGTGAATAT 1762  
 Db 1692 CTCTTATGAAGAAAGTGCAAAAGTCTAGCCTCTCTCTTCTTCTTAACTGAGTGAATAT 1751  
 QY 1763 GGGTCTGCTCACAAGTGAAGAGTCTATTTGCACTGTAGCCTGCGCCTGTGAAATG 1822  
 Db 1752 GGGTCTGCTCACAAGTGAAGAGTCTATTTGCACTGTAGCCTGCGCCTGTGAAATG 1811  
 QY 1823 GACCATCTCTATTTAACTGGCTTCAAGGCTCCGCCACTTCTTCAAGCCTCTCTTTTCA 1882  
 Db 1812 GACCATCTCTATTTAACTGGCTTCAAGGCTCCGCCACTTCTTCAAGCCTCTCTTTTCA 1870  
 QY 1883 GTTGGCTGACTTCCACACCTATCATATGATGAGTGCAGCAAGAAAGAGAGAGAGAA 1942  
 Db 1871 GTTGGCTGACTTCCACACCTATCATATGATGAGTGCAGCAAGAAAGAGAGAGAGAA 1930  
 QY 1943 ATAGCTTCCGCGGTTTTTAACTTTGGGGGTTTTGCTGTTTCTTTTATGAGACCATTTCC 2002  
 Db 1931 ATAGCTTCCGCGGTTTTTAACTTTGGGGGTTTTGCTGTTTCTTTTATGAGACCATTTCC 1990  
 QY 2003 TATTTCTTATGATCAATGTTCTTTTATACAGATATTAATGTAAGAAAACATCACAGAA 2062  
 Db 1991 TATTTCTTATGATCAATGTTCTTTTATACAGATATTAATGTAAGAAAACATCACAGAA 2050  
 QY 2063 ATGCTAGCTGCAAGTGCATCTTTGATGTCAATATGGAAGAGTTTAAACAGGTGAGAA 2122  
 Db 2051 ATGCTAGCTGCAAGTGCATCTTTGATGTCAATATGGAAGAGTTTAAACAGGTGAGAA 2110  
 QY 2123 ATTCCTTGATTCACAATGAATGCTCTCTCTTCCCTGCCCCAGAACTTTTATCCACTT 2182  
 Db 2111 ATTCCTTGATTCACAATGAATGCTCTCTCTTCCCTGCCCCAGAACTTTTATCCACTT 2170  
 QY 2183 ACCTAGATTTACATATTTCTTTAAATTTCAATCTAGGCTCCCTCCCAACCCAC 2235  
 Db 2171 ACCTAGATTTACATATTTCTTTAAATTTCAATCTAGGCTCCCTCCCAACCCAC 2223

RESULT 3  
 US-09-442-384A-625  
 : Sequence 625, Application us/09442384A  
 : GENERAL INFORMATION:  
 : APPLICANT: Chenchik, Alex





Dh 1871 gttggtcgaactccacacccatagcatctcatgagtgcacaaagagaagagagaa 1930  
Qy 1943 ATAGCTCGCGGGTTTTTATGTTGGGGGTTTCTGTTTCTTTTATGAGACCATTC 2002  
Dh 1931 atgacgcgcgtcttlttagtlttggttggttgcgttcccttlttagacccatctcc 1990  
Qy 2003 TATTCTTATAGTCAATGTTCTTTTATGACAGATATTATTAGTAAGAAAATCACTGAA 2062  
Dh 1991 tattctctatagtaaatgattcttcttltcaagatattattagtaagaatacatctgaa 2050  
Qy 2063 ATGTACCTCAAGTGACATCTCTTGATGTCATATGAGAGATTAAAGAGTGAGAA 2122  
Dh 2051 atgtcagctgcagtgacatctcttgcagcatatgagaaagtltaaacaaagtgagaa 2110  
Qy 2123 ATTCTTGATTCAATGAATGCTCTCTTCCCTGCCCCGACGAATTTTATCCACTT 2182  
Dh 2111 attccttgatccaatgaatgctctcttccctccctcccgccagaaacttltacactc 2170  
Qy 2183 ACCTAGTTTACATATTTCTTTAAATTTCAATCAGGCTTCCTCAACCCAC 2235  
Dh 2171 acctagattcatatcttctaattcatctcagcctccctcaacccac 2223

RESULT 4  
US-09-442-589B-779  
Sequence 779, Application US/09442589B  
GENERAL INFORMATION:  
APPLICANT: Chenchik, Alex  
APPLICANT: Lukashyev, Matvey  
TITLE OF INVENTION: Human Cardiovascular Array  
FILE REFERENCE: CLON-006CIP10  
CURRENT APPLICATION NUMBER: US/09/442,589B  
CURRENT FILING DATE: 1999-11-17  
PRIOR APPLICATION NUMBER: 09/053,375  
PRIOR FILING DATE: 1998-03-31  
NUMBER OF SEQ ID NOS: 1194  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 779  
LENGTH: 2354  
TYPE: DNA  
ORGANISM: homo sapiens  
US-09-442-589B-779

Query Match 95.7%; Score 2161; DB 18; Length 2354;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 2200; Conservative 0; Mismatches 10; Indels 3; Gaps 3;

Qy 25 ACCTGAGACAGACACACCTCTTGCGAAGACCTGAGACCTCTGTGTAAGTCAAGAG 84  
Dh 12 acctgagacagacacaccccttggcaagagacctgagaccttggtaagtcagag 71  
Qy 85 GCTCATGCGGTGTCAGAGAACTAGAGAGACCAAGCAAGCCATGATTTCCATGGA 144  
Dh 72 gctcaatggcgctgcgaagaactagagaagccaagccaatgatatttccatgga 131  
Qy 145 AATGTCAGACGCCACAGAGGACTTATGAGACATCTTCAAGTTGTGGGGTGACAAATGC 204  
Dh 132 aatgtcagagcaccagagagactatgaaacatcttcaagtgtggggtgagaaatgc 191  
Qy 205 TCTGTTGATTTCTCGGACATCATGGAACCTACTGCTGGGACTTACCATTTTGTGAAA 264  
Dh 192 tctgttggatctccggacacatcagaaacgacgtcgtgacatttaccatttctgaaa 251  
Qy 265 AACCCATGAATGCGAAAGGCTAGAGATTTGCCGAGACAAATTACAGATTTAGTTG 324  
Dh 252 aaccatgaactgcgaagagctagaagaattctgcgcgagacaataacagattagttg 311  
Qy 325 CCATCAAAACAGGCGGAAATTGAGTATCTGGAGAAAGACTCTGCCCTTCACTGTTCTT 384  
Dh 312 ccatcaaaaacagcggaatctgattctgagaaagactcgtccttccagtcgtctct 371  
Qy 385 ACTACTGATAGGAATCGGAAGATAGAGGAATATGACGTGGGTGGGAACCAACAAT 444

Dh 372 actacttgataggaataccggaagatagaggaaatcagagatcgtggtggaacacaat 431  
Qy 445 CTCTCACTGAAGAGAGACACTGGGAGATGTGAGCCCAACAACAAGAAACAAAG 504  
Dh 432 ctctactgaaagaagcagaacttgggagatgtgtgagcccaacaagaagaacaaag 491  
Qy 505 AGGACTGCGTGGAGATCTTATATCAAGAAACAAATGACGGCAAAATGAAAGCATGAG 564  
Dh 492 aggaactgctgtagaactatatacaagaacaagaatgcagggcaaatggaacagtagag 551  
Qy 565 CCTGCCACAAACTAAAGGACGCCCTGTGTACACAGACTTCTTGCCAGCCCTGTATGCA 624  
Dh 552 cctgcacaactaaagcagccctctgttacaacagcttcttgccagccctgtcatgca 611  
Qy 625 GTGGCCATGAGAGATGTTGTAAGAAATATCATATATACACTGCAACTGTGAGGGGT 684  
Dh 612 gtggccaatgagaatgtgtgaaatcatcaataataataacacctgcagactgtgagtgt 671  
Qy 685 ACTATGGGCCAGTGTCAAGCTTGTGATTCAGTGTGAGGCTTTGGAGGCCGAGAGCTGG 744  
Dh 672 actatggccccaagtgtcagctgtgtgattcagtgtagaccttggagggcccaagactgg 731  
Qy 745 GTACCATGAGACTGTACTCAACCCCTTTGGAACCTTGACGTTCACTACAGTGTGCTTCA 804  
Dh 732 gtaccatgagactgtactcaaccccttgggaacttcagcttcagctcacagtgcttca 791  
Qy 805 GCTGCTCTGAAGAACAACTTAATCTGAGATTTGAAGAAACCACTGTGACATTTGGA 864  
Dh 792 gctgccttgaaagaacaacttaacttgaatgtgaaagaacacccctgtgacatttggaa 851  
Qy 865 ACTGTGATCTGTCAAGAACCAACCTGTCAAGTATGATTCAGTGTGAGGCTGTATCAGCAC 924  
Dh 852 actgttcatctccagaaacacactgttcaagtgattcagtgtagagccttcatcagaccag 911  
Qy 925 AATTGGGATCATGAACTGTATGCAATCCCTGGCCAGCTTCAAGCTTACCTGTGCATGTA 984  
Dh 912 atttgggatactgaaactgtgacatcccttgcagcttcagcttcaactcgtgata 971  
Qy 985 CCTTCATCTGCTCAAGAGAACTGATTAATTTGGGAAGAAACCAATTTGTGATATAT 1044  
Dh 972 ccttcatctgcgcagaagaagaaactgagttaatltgggaagaagaacacattgtgaaatc 1031  
Qy 1045 CTGGAATCTGTGCAATCTTATGTCATATATGCAAAATTTGGCAAAAGTTTCAATGA 1104  
Dh 1032 ctggaatctgtgcaaatctctcagtcataatgtaacaaatgtgacaaaagtttccaatga 1091  
Qy 1105 TTAAGAGGGTATTTATTAACCCCTCTTCATTTCCAGTGGACATGATGTTACTGCAATCT 1164  
Dh 1092 ttaaggaaggtgattataaaccccttcatctcagtgagcatgatttacttcatct 1151  
Qy 1165 CTGGTGGCAATTTATCATTTGGCTGGCAAGAGATTAAAAAAGGCAAGAAATCCAAA 1224  
Dh 1152 ctgggttgcatttcatcttcttgcgcgaagagatttaaaaaaaggaagaataccaaaga 1211  
Qy 1225 GAAGTATGAATGACCCATATTAAATCGCCCTTGTGTAAGAAATTTCTTGGATATCTAAA 1284  
Dh 1212 gaagtatgaatgacccatattaaatcgcccttgttgaagaanaattcttgaataactaaa 1271  
Qy 1285 AATCATGAGATCTTTAAATCTTTCATGAAAGCTTTTGTGTGGTGGCACTCTACGTC 1344  
Dh 1272 aatcatgagatctttaaacttccatccttcaagaaagcttgtgtgtgcacctctcagtc 1331  
Qy 1345 AAACATGAAGTGTG-TTCCTTCAGTGCATCTGGGAAGATTCTCCCGACCAACAAGTTC 1403  
Dh 1332 aaacatgaagtggttcttccatcagtgcatctcgggaagaatltctacccgacaagaagttcc 1391  
Qy 1404 TTCACTTCATTTCCGCCCTCATTTATCCCTCAACCCCAAGCCCAAGAGTGTATACA 1463  
Dh 1392 ttcaacttccatttcccccatttacccttcaacccccaagtcacagtggttataca 1451  
Qy 1464 GCTCAGCTTTTGTCTTTTCTGAGAGAAACAAATTAAGACCAT-AAAGGAAAGGATTCAT 1522



QY 985 CCTCATCTGCTGAGAGAAAGTGAATTAATGGAGAGAAAGCAATTTGTAATCAT 1044  
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 Db 972 ccttcattctgctcagaagaagactgagtttaatttgggaagaagaacatttggtaatcc 1031  
 QY 1045 CTGGATCTGCTGAATTCCTAGTCCAAATATGTCAAAAATTGGCAAAAAGTTTCTCAATGA 1104  
 |||||  
 Db 1032 ctggaatctggttaaatccctagtcacataatgtaaaaaatgcaaaaatttctcaatga 1091  
 QY 1105 TTAAAGAGGGTGAATTAACCCCTCTTCAATTCAGTGGCAGTCATGGTTACTGCAATTCG 1164  
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 Db 1092 ttaaggaagggtgattataaacccctcttcaatccagtgagcagtcagttacgtcattcc 1151  
 QY 1165 CTGGGTTGGCAATTAATCAATTTGGCTGGCAAGAGATTAATAAAGGCAAAATCCCAAGA 1224  
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 Db 1152 ctggtgttgcatltaattcatttgcgtgcaagagattaaaaaaggcaagaattccaaga 1211  
 QY 1225 GAAGTATGAATGACCCATTTAAATGCGCCCTTGCTGTAAGAAAATTTCTTGAATACTTAA 1284  
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 Db 1212 gaagtaagaaagcccatltaaatctgccttggtagaagaattcttggaaatactaa 1271  
 QY 1285 AATCATGAGATCCTTTAAATCCTTCATGAAGATTTGTGTGGTGGACCTTCCTACGTC 1344  
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 Db 1272 aatcaagagatcccttaaatccctctcaatgaagatttggtagggccctcccaagtc 1331  
 QY 1345 AAACATGAAGTGTG-TTCTTCAAGTGCATCTGGGAAATTTTACCCGACCAACAGTTCC 1403  
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 Db 1332 aaactgaagtggttcttccctcagtcagtcaggagatttctaccggccaacagttcc 1391  
 QY 1404 TTACAGCTTCATTTGGCCCTCATTTATGCCCTCAACCCCGACCCACAGGTGTTATACA 1463  
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 Db 1392 ttcagcttccatctcgcctccatcattatccccaaccccccaagcagtggttataaa 1451  
 QY 1464 GCTCAGCTTTTGTCTTTCTGAGAGAAACAATTAAGACCAT-AAGGAAAGATTCAT 1522  
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 Db 1452 gctcagcttctgtcttcttcctcagagaacaataagaccataaggaagaagattcat 1511  
 QY 1523 GTGGAAATTAAGAGATGCGTGAATTTGCTTCTTCTTGAATTTTCAATTTCAATTTCA 1582  
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 Db 1512 gtagaataaagatgagctgacttcttcttcttgaacttcttgaacttcaatca 1571  
 QY 1583 GTGCTGATCTGATGACAGACACTCTTAATGAAGTGAATTTGATCATTTGATTA 1642  
 |||||  
 Db 1572 gtagcttcttgaatgacagacactctcaatgaagtcgaattctgatacatactgaaata 1631  
 QY 1643 TGGACTCAGTTTCTTGGAGATCAAAATTTCAAGTGTCTTGTATCTGATGAGAGTACA 1702  
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 Db 1632 tggactcagtttcttgcagatcaaaattcaagtcgtctctgtactatgtagagtagca 1691  
 QY 1703 CTCTATGAAGAAAGTCAAAAAGTCTACGCTCTCCCTTCTTCTTACTCAAGTGAATTA 1762  
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 Db 1692 ctccatagaaagttcaaaaagttcaagctctcccttcttcttaactccagtgaaat 1751  
 QY 1763 GGGGCTGCTCAAGTGAAGAAAGTCTAATTTGCACTAGAGCTGGCGCTGTAATTTG 1822  
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 Db 1752 ggggtccgcctcaagtttgaagaagctcctatttgcacttgaagcctgcgtctgaaatg 1811  
 QY 1823 GACCATCTTATTTAACTGGCTTCAGGCTGCCACCTTCTTCAAGCACCTCTCTTTTCA 1882  
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 Db 1812 gaccatcctatttaacttgcactca-gcctcccaacttcttcaagcacctctctttca 1870  
 QY 1883 GTTGGCTGACTTCCACACACTTCATGCAATCTGATGAGTCCCAAGAAAAGGAGAAAGAGAA 1942  
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 Db 1871 gttggctgacttccacactcagcaatcagtagagccaagaagaagagagagaa 1930  
 QY 1943 ATAGCTGCGCGGATTTTATGTTTGGGGTGTGCTGTTCTTTTATGAGAACCATTTCC 2002  
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 Db 1931 atagctgctgctgtttttttagtttgggggttttgcgttcttctttagagaaacattcc 1990  
 QY 2003 TATTTCTTATATGTAAGTCTTTTATCAGCATATATATATGTAAGAAACATCATGAA 2062  
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 Db 1991 tattctatagtaaatgattcttcttcaacagatatattagtaagaanaacatcacgaa 2050  
 QY 2063 ATGTAGCTGCAAGTGCATCTTTGATGTGCATATGGAAGATTAATAACAGGTGGAGAA 2122  
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Db 2051 aagctagctcgcaagtgacactctctttagatcatatagaaagagtaaaacagtgagaa 2110  
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 QY 2123 ATTCTTGATTCACAATGAATGCTCTCTTCCCTGCGCCGACAACTTTATCCACTT 2182  
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 Db 2111 attccttgattcaaatgaatgaaatgctctcttcccttcccttcccccagaaactttatccactt 2170  
 QY 2183 ACCTGATCTTCATATCTTTAAATTTCAATCTCAGGCTCTCCCTCAACCCAC 2235  
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 Db 2171 acctagattcacaatatcttcttaaatltaactcagagctccccaacccac 2223  
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 RESULT 6  
 US-10-002-600-8  
 ; Sequence 8, Application US/10002600  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hopkins, Christopher M.  
 ; APPLICANT: Peterson, David P.  
 ; APPLICANT: Cocks, Benjamin G.  
 ; APPLICANT: Hawkins, Phillip R.  
 ; TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS  
 ; FILE REFERENCE: PA-0042 US  
 ; CURRENT FILING DATE: 2001-10-25  
 ; PRIOR APPLICATION NUMBER: 60/243,521  
 ; PRIOR FILING DATE: 2000-10-25  
 ; NUMBER OF SEQ. ID NOS: 116  
 ; SOFTWARE: PERL Program  
 ; SEQ. ID NO 8  
 ; LENGTH: 2385  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc-feature  
 ; OTHER INFORMATION: Template ID: 331616.2  
 US-10-002-600-8  
 Query Match 95.2%; Score 2151.6; DB 37; Length 2385;  
 Best Local Similarity 99.4%; Pred. No. 0;  
 Matches 2201; Conservative 0; Mismatches 9; Indels 4; Gaps 4;  
 QY 25 ACCTGACAGACAGACACTCCCTTT-GGCAAGACCTGAGACCTTGCTGAAGTCAAGA 83  
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 Db 32 acctgacagacagacactcccttggcgaagacctcgagaccttggtaagtaaga 91  
 QY 84 GGCCTCAATGGGCTCGAAGAACTAGAGAGAGACCAAGCAAGCCATGATTTTCCATGG 143  
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 Db 92 ggcctcaatgggctcgagaaagactagaaaggaagcaagcaagcatgatatltccatg 151  
 QY 144 AAATGTCAGACACCCAGAGAGACTTATGAAACTTTCAAGTTGNGGGGTGGACAATG 203  
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 Db 152 aaatgtcagagcaccgcgaagagactttagaacatcttcaagttaggggtagaagaa 211  
 QY 204 CTCTGTTGTGATTTCTGGACATCATGAACTTACTGTGGAATTAACATTAATCTGAA 263  
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 Db 212 ctctgtgtgattcttctgacatcatgaaacgactgctgacttaccattcttgcga 271  
 QY 264 AAACCCGTAAGTCTGCAAGGAGGCTAGAAAGTCTGCGGAACAATTTACAGATTTAGTT 323  
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 Db 272 aaacccgtaagctgcaaaaggtctagaagattctgcccgaagacaattacacaagatttagt 331  
 QY 324 GCCATTAACAAAGGCGGAATTTGATATCTGAGAGACTCTGCGCTTCAGTCTGTCT 383  
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 Db 332 gccattaaaaaagaaggggaattttagtactctggagaagactctgcttcttagtctct 391  
 QY 384 TACTACTGATATGGAATCGGGAAGATAGAGGAATATGACGTGGGTGGACCAACAA 443  
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 Db 392 tactactgataagaaatccggaagatagagaaatagcgyggttggaaaccaaa 451  
 QY 444 TCTCTCACTCAAGAGAGAGAACTGGGAGATGCTGAGCCCAACAACAAGAAAGCAAG 503  
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 Db 452 tctcttactgaaagaagaaagaaacttgggagatgtgtagcccaacaagaagaagaag 511  
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QY	504	GAGACACGCCGGAGGAGACTTATTACAGAGAAACAAAGATGCAAGCAATGGACAGCATATAC	563
Db	512	gaggacctgcgtgtagaactctatctaaagagaaacaagaatgcagcagaatcggaaatgcgaatgc	571
QY	564	GCCGCGCAACAACTTAAGGCGACGCCCTCTGTATACAGCTCTTGTGGCAGCGCCGCGATACGC	623
Db	572	gcctgcacaacaactaaagaggaagccctctgttatacagctctcttgcagccctggtcagtc	631
QY	624	AGTGGCCATGGAGAGATGTGTAGAAATCATCATATATACACCTGCACCTGTGATGTGGG	683
Db	632	agtgccaatggaagatgctgtagaataatcatatcaatctacactgcgaactgctatgttggg	691
QY	684	TACTATGGGCCCCGATGTGACGTTTGATTTCAATGTGACCTTTTGGAGGCCCCACAGCTG	743
Db	692	tactaatggcccccaagctgcagctcttgatctcaatgctggaagcctcttggagagcccccaagctg	751
QY	744	GGTACATGAGCTGTACTCACCCCTTTGGAACTTCAGCTTCAGCTCAOAGTGTCCCTTC	803
Db	752	gtatacactgagctgttactccaccttgggaagaactcagcttagctacagatgcttc	811
QY	804	AGCTGCTCTGAAGAACAACTTAATCTGGGATTGAGAAACCACTGTGTGACATTTTGG	863
Db	812	agcgtccctgaagaaacaacttaactggatcggaaacaacacctgtgaccacttgg	871
QY	864	AACGTGTCACTCCAGAACCAACCTCTCAAGTATTCATGTGACCTCTATCACACCA	923
Db	872	aactggtcatctccagagcaacacctgtcgaatgattcagctgagagcctctatcagcacca	931
QY	924	GATTTGGGAGATCATGAACCTGTAGCCATCCCTGTGGCAGCTTCAGCTTACCTGTGACATGT	983
Db	932	gatttgggagatcatgaactctgaacatccacctggcagctcagcttatacctctcagct	991
QY	984	ACCTTCATCTGCTCAGAAAGAACGTGATTAATTTGGCAACAAACCACTTTGTGAATCA	1043
Db	992	accttcatctgcctcagaagaactggttaattgggaagaagaaacaacttgtgaaatca	1051
QY	1044	TCTGGAACTCTGGTCAAACTCTAGTCCAAATATGTCAAAAATTTGGACAAAAGTTTCTCAATG	1103
Db	1052	ctctgaactctgctcaaatcctcagctcccaatgtccaataatgycanaaagtcttccaatg	1111
QY	1104	ATTTAAGAGGGGTGATTTTAACCCCCCTTCATTTCCAGTGGCAGCTCATGTTATCTGACATTC	1163
Db	1112	attaagaagggtgatatctaaacccccctctcatctcagctgagcactatgcttactgcatactc	1171
QY	1164	TCTGGTGTGGCATTTATCATTTTGGCTGGCAGAGAGATTTAATAAAGGCAAGAAATCCAAAG	1223
Db	1172	ctctggtgtgcattatcatcttcttgcgtgcaagagagttaaaaaaaggcaagaatccaaag	1231
QY	1224	AGAAAGTATGAATGACCCATTTTAATTCGCCCTTGGTGAAAGAAATTTCTTGGAATACTAA	1283
Db	1232	agaagatctgaatgaaccatctataacatgcacctgtgtgaagaagaaatctctgaaatactaa	1291
QY	1284	AAATCATGAAGATCCTTTAAATCCTTCCATGAAGAACGTTTGTGTGGCAGACCTCTTAAGT	1343
Db	1292	aaatcatgaagatcctttaaactctctccatcgaagaaagcttctgtgtgtgcactcctctaagct	1351
QY	1344	CAAAACATGAAGTGTG-TTCTCTTCAGTGCATCTGTGGAGAGATTTCTACCCGACCAACATGTC	1402
Db	1352	caaaacatgaagatgctgttctcctctcagtgcatctgysaagattctctaccgcgacaaagcttc	1411
QY	1403	CTTGAGCTTCATTTGGCCCCCTCATTTTATTCCTCAAAACCCCGACGACAGAGGTTTAAAC	1462
Db	1412	cttcagactccaatctgcacctcatctatctccccaaccccccaagcacaagtgcttataac	1471
QY	1463	AGCTACAGCTTTTGTCTTTTCTCAGAGAGAAACAAATTAACCAT- AAGGAGAAAGGATTC	1521
Db	1472	agctcagcttcttctctctctctcaggaagaacaataaagacataaagggaagatctca	1531
QY	1522	TGTGTGATTTTAAGATGGCTGCACTTTGGCTCTTCTTGACTCTTGTGTTTCAAGTTTCAATTC	1581
Db	1532	tgtgtgaataataaagaatggtcagacttctctctctctgactctgtcttctcagtttcaatctc	1591

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QY 1582 AGTGGCTGCTACTGTGAGACGACGACACTCTTAATGAAGAACTGCAAAATTTGATACATATGTGAAT 1641
Db 1592 aatgcctgtaacttgtagacgacacactcttaaaagtgcaaaatlgtatatacatgtaab 1651
QY 1642 ATGGACATCAGTTTCTTGGCAGATCAAAATTTCAAGTCGTCTGTGATTTACTGTGAGAGTAC 1701
Db 1652 atggactcaagtttctcttgtaagatacaaatctcaagtcgtctctctgtatatactgtagggatc 1711
QY 1702 ACTCTTATAGAAAGTTCAAAAGTCTACGCTCTCTTTCTTTCTTAATCTCAGTAGAAT 1761
Db 1712 actctatagaagatctcaaaagctcaagctctctctctctcttaactcaactcagtgaaat 1771
QY 1762 TGGGGGCTCGCTCAAGTTTAAAGAGTCCATTTTGGACCTGTACCTCGCCGTCTGTGAAT 1821
Db 1772 tggggccctgcctcaagltgaaagagtcctatctgacctgtagcctgcgctctgtgaatt 1831
QY 1822 GGACATCCTAATTTAACTGGCTTCAGGGCTCCGCCACCTTTCAGCACCTCTCTTTTTC 1881
Db 1832 ggacatcctatcttaactgtcttca-gcctcccaactctctcagcacactctctcttc 1890
QY 1882 AGTTGGCTGACTTCCACACCTTAGCATCTTCATGATGATCCCAAGCAAAAAGAGAGAAGAGA 1941
Db 1891 agttgctgactctcaacacactagcatctcatgtagctgcaagaanaagagagaagaga 1950
QY 1942 AATPAGCCTCGGGGTTTTTTTAACTTTGGGGGTTTTGGTGTCTTCTTTAAGAACCATTC 2001
Db 1951 aatpaggcctgcgctcttcttagcttgaggggcttctgctctctcttctttagagaccattc 2010
QY 2002 CATATTTCTATATAGTCAATGTTTCTTTTATACAGATATTTATAGTAAGAAACATCACTGA 2061
Db 2011 catattcttatagtcgaigtcttctcttcttatacagatatatactatgtaaagaacatcacgtg 2070
QY 2062 AATGCTAGCTGCAAGTACATCTCTTTGATGTCAATATGGAAGATTTAAAACAGTGGAGA 2121
Db 2071 aatgctagctgcaagtgacatctcttctgtatcatalgtgaagaagttaaacaagltggaga 2130
QY 2122 AATTCCTTATTCACAATGAATGCTGCTTTCCCTGCGCCGCCAGAACTTTATTCACAT 2181
Db 2131 aattccttgattcacaaagaaatgcctctctctctccctgcgcgcagaaacttttataccact 2190
QY 2182 TACCTAGATTCTACATATTCTTTAAATTTGCATCTCAGGCTCTCCCTCAACCCGAC 2235
Db 2191 tactctagattctacatatctcttaaatcttcatctcagcgctccctcaaacccac 2244

RESULT 7
US-60-243-521-8
; Sequence 8, Application US/60243521
; GENERAL INFORMATION:
; APPLICANT: Hopkins, Christopher M.
; APPLICANT: Peterson, David P.
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS
; FILE REFERENCE: PA-0042 P
; CURRENT APPLICATION NUMBER: US/60/243,521
; CURRENT FILING DATE: 2000-10-25
; NUMBER OF SEQ ID NOS: 116
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 2385
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Template ID: 331616.2
US-60-243-521-8

Query Match 95.2%; Score 2151.6; DB 63; Length 2385;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 2201; Conservative 0; Mismatches 9; Indels 4; Gaps 4;

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QY	25	ACCTGCAGCAGACAGACACTCCCTTT--GGCAAAGCCTTGAGACCTTGTGCTAACTACA	83
Db	32	acctgcagcagacagacactccctcttggcgaagcactcgaaacctctgtctaagtcaga	91
QY	84	GGCTCAATGGGCTCGACAAGAACTAGAGAAGAGACCAAGCAACGATATTTCCATGG	143
Db	92	ggctcaatgggctcgcaagaagaactcagaagaagaccgaagccatgatatcttcctg	151
QY	144	AAATGTCAAGACACCCAGAGGGACTTATGGAACATCTTCAAGTTGTGGGGTGGACAATG	203
Db	152	aaatgtcagagaccccgaggagactcttgaaacatcttcaagtgtggyggtgagcaatg	211
QY	204	CTCTGTTGTGATTTCCGGGCACATCAATGGAACCTACTGCGTGGATTTACATTTATTCGA	263
Db	212	ctctgtgtgattctccggcacatcagaaacgaacgcgcgtggaacttccattctcgaa	271
QY	264	AAACCCATGAACCTGGCAAGGGGTAGAAAGTTCTGGCCGACACAATTACACAGATTAGTT	323
Db	272	aaacccatgaaactcgcaaaagygctcagaagttctgcggagacaattacaagaattagtc	331
QY	324	GCCATACAAAACAGCGGGAAATTGAGTATCTGAGACAAGACTTGCCCTTCAGTCTCTT	383
Db	332	gcacataaaaacaagygcgaaatctgatactcgtgaagaagactctgccttcagtcgtc	391
QY	384	TACTACTGATAGGAATCCGGAAGATAGAGAGAAATTGACGCGGGGGGGAACCAACAAA	443
Db	392	tactactggaatgaatccggaagatagaagagatatatgacgcygggtgggaaccaca	451
QY	444	TCCTCTCACTGAAGACGACGAACTGGGGAGATGTGAGCCCAACAACAAGAAACAAG	503
Db	452	tctcttactgaagaagcagaaactctgggagatggtgagtgagccacaacaagaaga	511
QY	504	GAGGACCTGGGTGAGATCTTATTCAGAGAGAAACAAGATGCAAGGCAATGGAACGATGAC	563
Db	512	gaggactcgctggagatctatacaagaagaacaagaatgtagcgaatggaacgcatgac	571
QY	564	GCCCTGCACAACTAAAGGACGCCCTCTGTTACACAGCTTCTTGCCAGCCCTGGTATAC	623
Db	572	gctgcacaacactaaagcagcgcctctgttaacagcttcttgcagccgcgtgtatgc	631
QY	624	ACGTGGCATTGGAGAAATGTGTAGAAATCATCATATATCACACCTGCAACTGTGATGGGG	683
Db	632	agtgycacatggaagaatgtgtagaataacatcaataatactacacgtgcaactgtatgtg	691
QY	684	TACTATGGCCCCAGTGTGAGCTTGTGATTCACTAGTGTGACCTTTGGAAGCCCCAGAGCTG	743
Db	692	tactatgggcccagtgtaagtgtgtatcagtgtagccttctggaaagccccagagctg	751
QY	744	GGTACCATGAGACTGTACTACCCCTTTGGAAACCTTCAGCTTCAGCTCACAGTGTGCTTC	803
Db	752	gttaccatgactgttactacaccttggaaacctcagttcagctcagcagtgcttc	811
QY	804	AGCTGCTGGAAGGAACAACCTTACTGGGATTGGAAGAAACCAACCTGTGGACACTTTTGA	863
Db	812	agctgctcggaaggaacaaacttaactctggattgaaagaacacactgtgaccatttga	871
QY	864	AACTGCTATCTCCAGAACCAACTGTCAAGTATTCAGTGTGAGCCTTATCACAGCCA	923
Db	872	aaactgttaactccgaacacaactctgaagtatcagtgatcagtgtagccttatacgaacca	931
QY	924	GATTGGGATATGAACTGTAGCCATCCCTGGCCAGCTTCAGCTTAACTCTGCATGT	983
Db	932	gatttgggatactgaactgttagcatccccctgcgcagcttcaagctttacccctcagtg	991
QY	984	ACCTTCATCTGCTCAAGAAAGAACTGATTAATTTGGGAAGAAACAAACATTTGTGAATCA	104
Db	992	accttcatctgtccgaagaagacgtgaattacttggaaagaagaaacaacatttgtgaatca	1051
QY	1044	TCGTGAATCTGGTCAAAATCTAGTCCCATATGTCAAAAATTGGACAACAAAGTTTCTCAATG	1103
Db	1052	tctggaaatctgttcaaatccttagtccaatatgttcaaaaattggacaaaagtctccaatg	1111
QY	1104	ATTAAAGAGGGTGATTATTAACCCCTCTTTCATTCCAGTGGCAGTCATGGTTACTGCATTC	1163

Db	1112	atlaagagagggagatatalaataccccctctcaatccagtgagacatcagttacatgc	117
Qy	1164	TCtGGGTTGGCAATTATCATTTTGGCTGGCAAGGAGATTAAAAAAAGCAAAATCCAAg	122
Db	1172	tctgggtgcgcatctatcatcttgctgcgcaagagattaaaaaaggcaagaatccaa	123
Qy	1224	AGAAATATGAATAGACCCCATATTAAATGCCCTTGCTGTAAGAAAAATTTCTTGAAATCTAA	128
Db	1232	agaagaatgaagacacccatataatgcgccttgcgtgaagaanaatcttgcatactaa	129
Qy	1284	AAATCATGAGATCTTTTAAATCCCTTCATCGTGAAGAGTTTGGTGGGACCTCCATCGT	134
Db	1292	aaatcatgagatcccttaaatcccttaacgtgaagaagtttgcgtgcgcaactccaa	135
Qy	1344	CAAAATCATGAGTGTG-TTCCTTCAGTGCATCTGGGAAGATTTCACCCGCAACAGTTTC	140
Db	1352	caaaatcatgagtggttcttccttcagtgatcgtgaagattctacatgcgaacagttc	141
Qy	1403	CTTCACTTCCTCCATTTTGGCCCGCCATTTATCCCTCCACCCGACCCGCAAGGTTTATAC	146
Db	1412	cttcaagcttccatctgcgcctccatctatcccttaacccccaagcccaagtgattatac	147
Qy	1463	AGCTACGCTTTTGTCTTTCTGAGGAGAAACAAATTAAGACAT-AAAGGAAAGATTCA	152
Db	1472	agctcaagctttgtctcttccttcgaggaagaacaataagcacaataagggaagattca	153
Qy	1522	TCGGAATAATAAGATGGCTACCTTCTGCTCTGTGACCTTGTTTCAGTTTCAATTC	158
Db	1532	tctggaataataaagaatgcgtaacttgcctctcttgcactctgtttcaagttcaatc	159
Qy	1582	AGTGTGTAATGAAGACAGACACTTCTTAATGAAGTCAAAATTTATCATATGATGAT	164
Db	1592	agtgctgaacttgatgacagcactcttaataaagtgcaaatltgatacatatgtaat	165
Qy	1642	ATGGACTAGTTTCTTGACAGATCAAAATTTACGTGCTCTCTGTATACTGGAAGGTAC	170
Db	1652	atggactaagttctcttgcagataaaattcaacgtcgtctctgtatactgcgaggtac	171
Qy	1702	ACTTTATGAGAAGTCAAAAAGTCTACGTCCTCTTCTTCTTAATCTCACTGAAGTAA	176
Db	1712	actctatagaagaagtcaaaaaagctcagctccctctcttcttaactccagtgagtaa	177
Qy	1762	TGGGTCCTGCTCAAGTTGAAAAGTCTTATTTGCACTGTAGCCTGCGCTGTGAATT	182
Db	1772	tgggctcctgcgtcaagtgaaaggtcctaattgcacttgaactgcctgcgtctgtaatt	183
Qy	1822	GGACCATCTTATTAACGGGTTTAGCGCTCCGCCACTCTTTCAGCACACTCTTTTTC	188
Db	1832	ggacacatcctatctaactgcttca-gcctcccaactcttcaagcacactctcttttc	189
Qy	1882	AGTTGGCTGACTTCACACCTAGCATCTCATGAGTGCACAAAGAAAGAGAGAGAGAGA	194
Db	1891	agttggctgacttccacaacctagatctcaatgcgtgaagcaaaagagagaagaga	195
Qy	1942	AATGCGGCGCGGCTTTTAAAGTTTGGGGGTTTGGTGTTCCTTTATGAGACCCATTC	200
Db	1951	aatgacgcgcgtcttcttaagttgcgtggggtttgcgttcccttctatgcagccattc	201
Qy	2002	CTATTTCTTAAGTCAATGTTTCTTTTATCAGCATTTTATGATGAAGAAACATCAGCA	206
Db	2011	ctattcttataagcaatggttcttcttatacagataataatagtaagaanaacatcncga	207
Qy	2062	AATGCTAGCTGCAAGTGACATCTCTTGATGTCAATGGAAGAGTTAAACAGGTGGAGA	212
Db	2071	aatgctagctgcgaagtgacatctcttgcgtatcatatggaagagttaaaacaagtgagga	213
Qy	2122	AATTCTTGATTCACATGAAGATGCTCTGCTTCCCTTCCGCTCCCGCAGACTTTTATCACT	218
Db	2131	aattccttgattcaaatgaaatgcctccttccctgcgcccgaacttttatcaact	219
Qy	2182	TACCTAATTCATACATATTTCTTTAAATTCATCTCAGGCTTCCTCAACCCAC	223

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Db      2131  tacctagattctaacatattcttttaattcattcaccgacctccctcaaccac 2244

RESULT      8
US-60-324-185-22258
; Sequence 22258, Application US/60324185
; GENERAL INFORMATION:
; APPLICANT: Morris, MacDonald
; APPLICANT: Lal, Preetl
; APPLICANT: Diep, Dinh
; TITLE OF INVENTION: METHOD FOR THE IDENTIFICATION OF SEQUENCE POLYMORPHISMS USING
; TITLE OF INVENTION: POLYNUCLEOTIDE SEQUENCE DATABASES, AND SINGLE NUCLEOTIDE
; TITLE OF INVENTION: POLYMORPHISMS IDENTIFIED THEREBY
; FILE REFERENCE: GX-0019-1 P
; CURRENT APPLICATION NUMBER: US/60/324,185
; CURRENT FILING DATE: 2001-09-21
; NUMBER OF SEQ ID NOS: 35862
; SOFTWARE: PERL Program
; SEQ ID NO 22258
; LENGTH: 2385
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID NO: 331616.2
; US-60-324-185-22258

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Query Match	95.2%	Score 2151.6	DB 71	Length 2385
Best Local Similarity	99.48%	Pred. No. 0		
Matches 2201; Conservative	0	Mismatches	9	Indels 4; Gaps 4;

QY	25	ACCTGGACGACAGACACTCCCTTT	-GGCAAGACCTCGAACCCTTGTGTAAGTACAGA	83
Db	32	accTgcagcacaagacacacccctcccttcttggtcaagaagaccTgagaccctctgtgtaagtaaga		91
QY	84	GGCTCAATGGGCTCTACAAACAACATGAGGAAGAACCAAGCAAAACCATGATTAATTCATGG		143
Db	92	ggtcccaatgggtctctgcagaagaacactcagaagaagaccgaagcaagccatgatattccatg		151
QY	144	AAATGTCAAGACACCCACAGAGGACTTAATGACACATCTTCAAGTTGTGGGGTGGACAAATG		203
Db	152	aaatgtcagaagaccaccagaggaactctatggaacatcttcaagtcttgtyggtytgacaatg		211
QY	204	CTCTGTTGTGTTTTCGTCGGACATCATGAAACCAACACACGTCGGAGACTTAACATTTATCTGAA		263
Db	212	ctctgtctgtgacttcccttcgggacacacaaTggaacccaagctgcgtgacttaccatctctgaa		271
QY	264	AAACCCATGAACTGGCANAAGGGCTAGAGAATTCCTGCCAGACAAATTAACAGATTAATGTT		323
Db	272	aaaccatlgaaactctgcagaagaagtgctagagaagttctctccgagaaacatatcaacagattagct		331
QY	324	GCCATACAAAACAGCGCGGAATTGAGTATCTGGAGAGACTTGCCCTTCACTGCTTCT		383
Db	332	gcctaataaaacaagtcggaatatgaaTactctgtagaagaacctctgccttccagtctct		391
QY	384	TATACATCGATAGGAATTCGGAAGATGTGGAGGAATATGGACGTGGGGTGGGAACCAACAAA		443
Db	392	tactaacTgataagaaTccggaagaataTggaaggaataTggaTcgtgggttggaTaccacaataa		451
QY	444	TCTTCTACTGANAAGACGAGAACTGGGGGAGATGTGGAGCCCAACAAACAAGAAACAAG		503
Db	452	tctcttactgaagagaaggaagacttgggtgagatgtgtgagccacaacaagaagaagaacaag		511
QY	504	GAGACATGCGTGGAGATCTTATTCAGAGAACAAGAATCGACGCAATTGAACGATGAC		563
Db	512	gagagacTcgtgtgagactctatataTcaagaaagaaacaagaTgcaggtcaaaTgaaacgcaTgac		571
QY	564	GCGTCCCAACAACTAAAGGGCGCCCTGTGTTACACACTCTTTCGCAAGCCCTGGTCATGG		623
Db	572	gctctgcacaacaacaaagagcagccctctgttaccagactctctgcgcagccctgtgtcaatgc		631
QY	624	AGTGGCCATGGAGAAATGTGTGAATAATCATCAATTAATACACTCTGCAACTGTGATGTGGGG		683

Db	632	agtgccagcygagaaatgctgaaagaatcaacaaataataacactgcgaactgctgctgaggg	691
Oy	684	ttcctttggggcccccacagctgctagcctttgatgttcaagtgtgaccccttttggaggcccccacagctg	743
Db	692	tactctatggcccccaatgctcagcttctgtgatcagctgtgagcctcttggaagcccccaagctg	751
Oy	744	ggtagccatgagcagctgactaccgcccttttggaaacttgcagcttcagcgtcacagctgctgttc	803
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Oy	804	agctgctctgaaagaaacaactttaaacttgaggatttgaaagaaccactgtgagaccatttttga	863
Db	812	agctcctcctgaaagaaacaacttaacttgagatttgaaagaaccacactgtgagaccatttgga	871
Oy	864	aactgctcatctgcacgaagcaacacgtgcacaagtgatttcagctgagacgtcttaccacacca	923
Db	872	aactgtgcatctcccaagcaaccctgtcaagtgatcagctgagccttcacagcaacca	931
Oy	924	gatttggggatcattgaactgttagccatcccccgcagcagcttcagcttttaccctgtcagct	983
Db	932	gatttggggatcattgaactgttagccatcccccgcagcagcttcagcttcacccctcagct	991
Oy	984	accttcatctgctcagaaagaaactcagctgaattctggaagaagaaacaactctgtgaatca	1043
Db	992	accttcatctgctcagaaagaaactcagctgaattctggaagaagaaacaactctgtgaatca	1051
Oy	1044	tctggaatctggtgcaaaatcctagtcacatgattgtcaaaaatttgagacaaaaagtttccatag	1103
Db	1052	tctggaatcctgtgccaacccctcagtcccaatctgtcaaaaatctgagacaaaagtttcccaatg	1111
Oy	1104	atttagagaggggatattatataaccccctcttcattccagctgagcagtcattgttactcatttc	1163
Db	1112	atttagagaggggatattatataaccccctcttcattccagctgagcagtcattgttactcatttc	1171
Oy	1164	tctggcgttgccattttatcatatttgctggcagagacatttttttttttttttttttttttttttt	1223
Db	1172	tctggcgttgccatttataatctatctgtgcctggaagagatttaaaaaagcagaagaatccaaag	1231
Oy	1224	agaactattgaantgaccacacatttttaatttcgccccttggttgaaagaaattttctggaattatcna	1283
Db	1232	agaagtaagaaagaccacatataaatctgcctctgttgaaagaaatcctctggaatacnaa	1291
Oy	1284	aaatcattgagatcctttttaaactccttccaaatgaaacgttttgctgtgacccactccctagct	1343
Db	1292	aaatcattgagatcctttaaactccttccaaatgaaacgttttgctgtgacccactccctagct	1351
Oy	1344	caaacatgaaagctgttctcctctcagctgacatctggaagatcttctacatccgacaacagcttc	1411
Db	1352	caaacatgaaagctgttctcctctcagctgacatctggaagatcttctacatccgacaacagcttc	1411
Oy	1403	cttgcagcttcccaatttcgcccccatcttaaccccttaaccccccaagctgctttaaacc	1462
Db	1412	cttgcagcttcccaatttcgcccccatcttaaccccttaaccccccaagctgctttaaacc	1471
Oy	1463	agctcagcgtttttgtcttttttgagagaaacaaataaagaccat-aagggaaagatttca	1521
Db	1472	agctcagcgtttttgtcttttttgagagaaacaaataaagaccatcaataaagggaagattcca	1531
Oy	1522	tgtggaattatnaaagatgctgcatttgctctttgttgactcttggttttcagtttcaatttc	1581
Db	1532	tgtggaattatnaaagatgctgcatttgctctttgttgactcttggttttcagtttcaatttc	1591
Oy	1582	agtgctgtgacttgatgacacagacacattcttaaaagaaatgcaaatctgtgatacacatctgaaat	1641
Db	1592	agtgctgtgacttgatgacacagacacattcttaaaagaaatgcaaatctgtgatacacatctgaaat	1651
Oy	1642	atggaatcagatttttctgcagatcnaaattttcagctgcttcttgatattctgagagagac	1701
Db	1652	atggaatcagatttttctgcagatcnaaattttcagctgcttcttgatattctgagagagac	1711
Oy	1702	actctttatgaaaagtccaanaagctacgcttcctttctttcttatactccaatgaaatna	1761



Db 1712 acccttataagaagttcaaaaagctacgctctcccttcttcttctaactcagtgaa 1771  
QY 1762 TGGGGTCTGCTCAAGTTGAAAGATCCTATTTCACCTGTAAGCTCGCGTCTGTGAAT 1821  
Db 1772 ttgggtctctgctcaagttgaagagctctatcttgcaactgtagctcgctgctgtagatc 1831  
QY 1822 GAGCAATCCATTTAACTGGCTTCAGGCCCTCCACCTTTCTTACGCCACCTCTCTTTTC 1881  
Db 1832 ggaaccatccatttaacttgcttca-9cctcccaacctcttcagccaacctcttcttc 1890  
QY 1882 AGTTGGCTGACTTCACACCTAGCATCTCATGATGTCGAAGCAAAAGAGAGAAGAGA 1941  
Db 1891 agttgctgctctcccaacctagcatctcatggtgccaagcaaaagagaagaga 1950  
QY 1942 AATAGCCTGCGCGGTTTTTTAGTTTGGGGTTTTGCTGTTTTCTTTTATAGACCCATTC 2001  
Db 1951 aatagcctgctgctgttttttagtttggtgttttgcgttcttctttagagccattc 2010  
QY 2002 CTATTTCTTATCTCAATGTTTCTTTTATACATATTTATAGTAAGAAAACATCACTGA 2061  
Db 2011 ctattctttagtcaatgcttcttcttatacgaatatlagtaagaaacatcactga 2070  
QY 2062 AATGTAGCTGCAAGTACATCTCTTTGATGTCATATGGAAGATTAAACAGGTGGAGA 2121  
Db 2071 aatgtcagctgcaagtgacatctcttgatgcatatggaaggttaaaacaggtgaga 2130  
QY 2122 AATTCCTGATTCACAAATGATGCTCTCTCTTCCCTGCCCCCAGCAACTTTTATCCACT 2181  
Db 2131 aatctcttgattcaaatgaatgctctctcttcccttccctgccccagaaactttatccact 2190  
QY 2182 TACCTGATTTTCAATCTTTAAATTTCATCTGAGGCTCCCTCAACCCCAAC 2235  
Db 2191 taactagattcaacatcttcttaattcaatctcagacctccccaaccccaac 2244

RESULT 9  
US-60-213-360-1118  
; Sequence 1118, Application US/60213360  
; GENERAL INFORMATION:  
; APPLICANT: Morris, MacDonald  
; APPLICANT: Lal, Preeti  
; APPLICANT: Diep, Dinh  
; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using  
; TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide Polymor  
; FILE REFERENCE: GX-0014 P  
; CURRENT APPLICATION NUMBER: US/60/213,360  
; CURRENT FILING DATE: 2000-06-21  
; NUMBER OF SEQ ID NOS: 8347  
; SOFTWARE: PERL Program  
; SEQ ID NO 1118  
; LENGTH: 2385  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc. feature  
; OTHER INFORMATION: Incyte ID No: 331616.2  
US-60-213-360-1118

Query Match 95.2%; Score 2150; DB 60; Length 2385;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 2200; Conservative 0; Mismatches 10; Indels 4; Gaps 4;

QY 25 ACCTCAGACGACGACACTCCCTTT-6GCAAGACCTGAGACCTTGCTAAGTCAGA 83  
Db 32 acctcagacgacgacactcccttggcaagacctgagaccttgctgctaaagcaaga 91  
QY 84 GGCCTAATGGGTGCAAGAAGACTAGAGAAGCAAGCAAAAGCCATGATATTTCCATGG 143  
Db 92 ggcctaatgggtgctgcaagaagactagagaagacaaagcaagcatgatatttccatgy 151  
QY 144 AATGTGAGAGACCCAGAGAGACTTATGGAACATCTTCAAGTGTGGGGGTGCACAATG 203

Db 152 aaatgcaagagcaaccagaagagcttatgaaacatctcaagtgtggtgggtgagcaatg 211  
QY 204 CTCTGTTTGATTTTCTTGACATTCATGAACTACTGCTGGAGCTTACCATTAATCTGAA 263  
Db 212 ctctgtgtgatttctctgacatctgaaacgactgctggaacttaccattattctgaa 271  
QY 264 AACCCATGAACTGGCAAGAGGCTAGAAAGATTCTGCGAGACAAATPACAGATTAGTT 323  
Db 272 aaaccatgaaactggcaaaaggtgtaaaattctgctcgagaaatatacagatttagtt 331  
QY 324 GCCATCAAAAACAAGCGGAAATTGATCTGGAGAAAGCTTGCCCTTCAGTGGTTCT 383  
Db 332 gccatacaaaacaagcggaattgattcttgagaagaacctgccttcaagtcgttct 391  
QY 384 TACTACTGATNGAATCCGGAAAGATAGAGAATATGACAGTGGGTGGGAACCAACAA 443  
Db 392 tactactgatatggaatccggaagatagagaatatggaacgtggtgtggaaccaaaa 451  
QY 444 TCTCTCACTGAAGAAGCAGAACTGGGAGATGGTGAACCCCAACAAACAAGAACAAG 503  
Db 452 tctcttactgaaagaagcaagaactcgtggtgagatggtgagcccaacaacaagaacaag 511  
QY 504 GAGGACTGCTGGAGATCTATATCAAGAGAAACAAGATGAGGCAAAATGGAACGATGAC 563  
Db 512 gaggaactcgtgtagatctatatacaagaanaaagaatgcaagcaaatggaacgtac 571  
QY 564 GCCTGCGCAAACTAAAGCGACCGCTGTTACAGCTCTTGGCAGCCCTGCTGATGAC 623  
Db 572 gccctgccaacaactaaaggcaagccctctgttacaagcttcttgcaagccctggtcactgc 631  
QY 624 ACTGGCCATGGAATGTGTAGAAATCATCAATTAATCAACCTGCAAGCTGATGTGGGG 683  
Db 632 agtggccatggaagtgtgtagaatcatcaatcaattcaactgtaactgtgattgtggg 691  
QY 684 TACTATGGGCCCCCAATGTCAGTTGTGATTCAGTGTGAGCTTTGGAGCCCCAGAGCTG 743  
Db 692 taactatggcccccaagtgtaagttgtgattcagtgtagcttltggaagccccagagctg 751  
QY 744 GSTACCATGAGACTGATCAACCCCTTTGGAAACTTCACACTTCAGCTCAGTGTGCTTC 803  
Db 752 ggtacacatgactgtcaacccttcttggtgaaactcagactcagatcaagtgctcttc 811  
QY 804 AGCTGCTGTGAAGAACTTAACCTGGATGGAAGAAACCACTGTGGAACATTTGGA 863  
Db 812 agctgctcgaagaaacttaacttgattggaagaaacacactgtggccatttga 871  
QY 864 AACTGTGATCTCCAGAACCAACCTGTCAAGTGTGAGTGTGAGCTCTTACAGACCA 923  
Db 872 aactgtcatctccagaaccaactcgtcaagtgatcagtgtagcctctatcagcacca 931  
QY 924 GATTTGGGATCATGAATGTAGCCATCCCTGGGACACTTCAGGTTACCTGTCATGT 983  
Db 932 gatttggggtacatgaactgttagccatccctgtgcagactcagacttcaactctgcattgt 991  
QY 984 ACCTTCATCTGCTCAGAGAACTGAGTTAATTGGGAAGAAACCACTTTGTGAATCA 1043  
Db 992 acctcatcctgctcagaagaagacttgatttaatttggaagaagaacaacatttggatca 1051  
QY 1044 TCTGGAATCTGTGCAATCTCAATGTCATATGTCATAAATGGCAAAAGTTTCTCATAG 1103  
Db 1052 tctggaaactcgtgcaaacctcagatccaatatgtaaaaattggaacaagaatttctcaatg 1111  
QY 1104 ATTAAGAGGGGTGATTAATACCCCTCTTCATTCAGTGCAGTCAATGTTACTGCAATTC 1163  
Db 1112 attaagaggggtgattataaaccctctctcatctcagtggaagtcagtattcagatctc 1171  
QY 1164 TCTGGGTTGGCATTTATCTATTGCTGGCAAGAGATTTAAAAAAGCAAGAAATCCAAG 1223  
Db 1172 tctggtgtgcatattatcatcttgcctgcaagagatttaaaaaagcaagaatcccaag 1231  
QY 1224 AGAAGTATGAATGAACCATTAATTAATGCGCTTGTGAAGAAATCTTGGAAATATA 1283





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Db 770 ggtacacatgactactcaaccccttggaaacttaagcttaagctcaagcttgcttc 829
QY 804 AGTGTCTTAAGAACAACTTAAGTGGATTAAGAAACCACTGTGACCAATTTGGA 863
Db 830 agtgccttgaagaaacaaacttaacttgaagtggaagaaacacacttgaacattgga 889
QY 864 AACTGTCACTCCAGAACCAACCTGTCAAGTATTCAGTGTGAGGCTCATAGCAACA 923
Db 890 aactgtcatctccagaacacacacttgaagtgatcagtgtagcctcatagaacca 949
QY 924 GATTGGGGATCATGAACGTGTAGCCATCCCTGGCCAGCTTACGTTTACCTGTGATG 983
Db 950 gattgggatactgaactgaagcaccctccctggcagcttaacttaactgaatg 1009
QY 984 ACCTTATCTGCTCAGAACGAATGATTAATTGGGAAGAGAAACCAATTGTGATCA 1043
Db 1010 acctcatctgcctcaagaagaaactgaatgaattgggaagaaacacatttgaatca 1069
QY 1044 TCTGAATCTGTCAATCTCAGTATCCATATGTCAAAAATTGACAAAAGTTTCTCAATG 1103
Db 1070 tctggaatctgtcaaatctcagttccaatatgtcaaaaatttgaacaaaagttctcaag 1129
QY 1104 ATTAAAGAGGGTGATTAATACCCCTCTTCATTCAGTGGCAGTCAATGTTACTGCAATTC 1163
Db 1130 attaaagagggtgattataaacccctctcatctcagtgagcgatcagtgtaactgcatlc 1189
QY 1164 TCTGGGTTGGCAATTTATCATTTTGGCTGGCAGAGATTTAAAAAAGCAAGAAATCCAG 1223
Db 1190 tctgggttggcatttcatctcttgcgcgaagaaagattaaaaaaggcaagaattccaag 1249
QY 1224 AGAAGTATGAATGACCCATTTAAATGCCCCTGTGTAAGAAATAATTTCTGGAATACTAA 1283
Db 1250 agaagatgaatgaagcccatattaaatgcaccttggtaagaataatcttgaataactaa 1309
QY 1284 AATATCATGATTCCTTTAAATCTTCATGAAACGTTTGTGTGGTGGCACTCTCACT 1343
Db 1310 aaatcatgagatctcttaaatcttccatcagaaacgtttgtgtggtgacactccatg 1369
QY 1344 CAACATGAAAGTGTG-TTCCCTCAGTGCATCTGGGAAGATTTCTACCCCAACAGCTTC 1402
Db 1370 caaacatgaagtggttcttctcctcagtgcatctcgggaagattctctactcgaacacg 1429
QY 1403 CTTCAGCTTCATTTGCCCCCTCATTTATCCTCAACCCCAAGCCACAGGTGTTATAC 1462
Db 1430 ctctcagcttccatctcgcctccatattacccctcaacccccagcccaagtggttatac 1489
QY 1463 AGCTCAGCTTTTGTCTTTTCTGAGAGAAACAATAAGACCAT-AAAGGAAAGATTTCA 1521
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QY 1522 TGTGGAATATAAGATGCGTGAATTTGCTTGTGACTCTTGTGTTTCAATTCATTC 1581
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QY 1642 ATGGAATGATTTTCTGAGATCAAAATTTCAAGTGTGCTTGTGTATCTGTGAGAGTAC 1701
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QY 1702 ACTCTTATAGAAGTTCAAAAAGTCTAGAGCTCTCTTCTTCTTCACTCACTGAGTAAGTAA 1761
Db 1730 actctatagaagaagtcaaaaaagctacgtctccttcttcttaaccccgatgaagtaa 1789
QY 1762 TGGGCTCTGCTCAAGTTGAAAAGACTCTATTTGCACTGTAGACCTGCGCTGTGAATTT 1821
Db 1790 tggggctctgctcaagttgaaagagctctatttgcactgtagccctgcgcgtcttgaatt 1849
QY 1822 GGACCATCTTATTAACGGGCTTCAGGCTCCCAACCTTTTCAACCAACCTCTCTTTTTC 1881

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Db 1850 ggcacatccatttaacttgcttca-gcctcccaactctcttcagccactctcttttc 1908
QY 1882 AGTTGGCTGACTTCCACACCTAGACATCTCATGAGTCCAGCAAAAAGAGAGAAGAGA 1941
Db 1909 agtgcgttacttccacacactagcatctcatgagtgccaagaanaagagagaagaga 1968
QY 1942 AATAGCCTGGGGGTTTTTATGTTGGGGTTTTGCTGTTCTTTTATGACACCAATTC 2001
Db 1969 aatagcctggcgttcttcttgaagtggttcttgcgttcttcttcttcttcttcttctt 2028
QY 2002 CTATTTCTTATAGTCAATGTTTCTTTTATCAGATATTTATGATGAAGAAACATCACTGA 2061
Db 2029 ctattcttlatagtaaatgttcttcttcttcttcttcttcttcttcttcttcttcttctt 2088
QY 2062 AATGCTAGCTGCAAGTGACATCTCTTTGATGTCATATGGAAGAAGTTAAACAGGTGAGA 2121
Db 2089 aatgctagctgcaagtgacatctcttgaatgcatatggaagatgtaaacagtgagaga 2148
QY 2122 AATTCCTTGATTCAACATGAATGCTCTCTCTCCCTGCCCCCAAGACTTTTATGCAC 2181
Db 2149 aattccttgatccaagaagatgtctccttcttccctggcccccagacccttlatccact 2208
QY 2182 TACCTAGATTGTACATATTTCTTTAAATTTCAATCTCAGGCTCCCTCAACCCAC 2235
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RESULT 11
US-09-495-050A-292
; Sequence 292, Application US/09495050A
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guegler, Karl, J.
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/09/495, 050A
; CURRENT FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118, 318
; PRIOR FILING DATE: February 1, 1999
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 292
; LENGTH: 2385
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No: 1876370CBI
US-09-495-050A-292

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Query Match 95.08; Score 2146.8; DB 18; Length 2385;
Best Local Similarity 99.38; Pred. No. 0;
Matches 2198; Conservative 0; Mismatches 12; Indels 4; Gaps 4;
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QY 84 GGCCTAATGGCTCGAGAAGAACTAGAGAAAGACCAAGCAAGCCATGATATTTCCATGG 143
Db 92 ggcctaatggctcgagaagaaactagagaagagaccaaagccatgatatcttcattg 151
QY 144 AATGTCTAGACACCCAGAGAGACTTATGAAACATTTTCAAGTTGTGGGGTGGACATG 203
Db 152 aaatgtctagacacccagagagactttagaacaatctcaagtgtggtgggtggacatg 211
QY 204 CTGTGTTGATTTCTGAGCATCATGGAACCTAAGTGTGAGATTTCAATTTATTCGAA 263
Db 212 ctgtgtgtgttctcctggacatcatggaacgacgtcgtggaatcaccattatctcgaa 271
QY 264 AACCCATGAACGTGCAAAAGGCTAGAAAGATTTCGCCGAGACATTTACAGATTTAGTT 323

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|||||  
Db 272 aaaccatgaaactgcaaaagggctagaagatctccgagacaattacacagattagct 331  
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Db 332 gccataaaaaaaggcggaatctgagatatactgagaagaactctgcctctgaagctctc 391  
Oy 384 TACTACTGATAGGAATCCGGAAGATAGAGGAATATGAGCTGGTGGTGGAAACAACA 443  
Db 392 tactaacggtatagaaatccggaaagaatagggaaataatggagctgggtaggaaacaa 451  
Oy 444 TCTCTCACTGAAGAAGACAGAGACTGGGAGATGGTGAAGCCCAACACAGAACAG 503  
Db 452 tctcttaactgaagaagcagaagaaactgggagatggtgagcccaacaagaagaacaa 511  
Oy 504 GAGACACTGCGTGGAGATCTATATCAAGAAACAAGATGAGGCAATATGAAAGATGAC 563  
Db 512 gaggacgtgcttggagactataataagaacaagaatgcaaggcaaatggaacgatatc 571  
Oy 564 GCCCTGACAAACAAAGGACGCCCTGTTACACAGCTTTCGACAGCCCTGGTGCATGC 623  
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Oy 864 AACGCTGATCTCCAGAACCAACCTGTCAAGTATTCAGTGTGAGCTTATACGACACA 923  
Db 872 aacgtgcatctccagaaacaaactctgcaagtgaatcagtgtagcctctacacagcaca 931  
Oy 924 GATTGGGATGATGAGACTGTAGCCATCCCTGCGCAGCTTCAGCTTACTCTGCATGT 983  
Db 932 gattgggattcatgaaactctgacacccctggccagcttcagcttcaacctgcagctgc 991  
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Db 992 acctcatctgcacagaagaaactgagtttaattggagaagaagaacacatttgaaatca 1051  
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Oy 1104 ATTAAAGAGGGTGAATTAACCCCTCTTCATTCAGTGGAGACATGATACGCAATTC 1163  
Db 1112 attaaggaagggtgactaaacccctcttcaatccagtcggaatgactgacatctc 1171  
Oy 1164 TCTGGGTTGGCATTTATCATTTGGCTGCAAGAGATTAATAAAAAAGCAGAAATCCCA 1223  
Db 1172 tctgggttgcatctatcatcttgctggcgaaggatataaaaaaggcaaggatcccaag 1231  
Oy 1224 AGAAGTGTGAATGACCATATTAATGCGCTTGGTGAAGAAATTTCTTGGATTA 1283  
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Oy 1344 CAAACATGAAGTGTG-TTCTCTAGTGCATCTGGGAAGATTTTCACCGACCAACAGTTC 1402  
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Db 1352 caaacatgaagtgtagtctctcagtgcatctggaagaattctacatccgacaacagctc 1411  
Oy 1403 CTTCAGCTTCCATTTGGCCCTCCATTTATCCCTCAACCCCAAGCCCAAGAGTATTATAC 1462  
Db 1412 cttaagctctcattcgcacctctatctccctaaaccccaagcccaagtgattatc 1471  
Oy 1463 AGCTCAGCTTTTGTCTTTTCTGAGGAAACAATAATAGACCAT- AAGGAAAGATTTCA 1521  
Db 1472 agctcagctcttc 1531  
Oy 1522 TGTGAAATATAAGATGGCTGACATTTGCTCTTTCTTGCATCTGTTTCACTTCAATTC 1581  
Db 1532 tctgaaatataaagatgctcactctctctctctctctctctctctctctctctctctc 1591  
Oy 1582 AGTCTGTACTTGTATGACAGACACTTCTTAATTAAGTGCATAATTTGATACATATGTGAT 1641  
Db 1592 agtgcgtactctgtagaagacactctcaaatgaaatgcaaatctgatacatalgtgaa 1651  
Oy 1642 ATGACATCAGTTTCTTTCAGATCAAAATTTACGTCGCTCTGTATACCTGTGAGGTAC 1701  
Db 1652 atggaatcagttc 1711  
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Db 1712 actcttaagaaagttcaaaaagctacagctctctctctctctctctctctctctctctc 1771  
Oy 1762 TGGGGTCTGCTCAAGTTGAAAGAGTCTTATTTGACATGTCGTGCGCTGTGTGAATT 1821  
Db 1772 tggggctctgctcaagttgaaagagctcctatctcagctctcagctctcagctctgaa 1831  
Oy 1822 GGACATCCCTTTTAACTGAGGCTTCAGGCTCCCAACCTCTTTCAGGCACTCTCTTTTTC 1881  
Db 1832 ggaacatccatcttaactcagctctca-gcctcccaactctctcagccacccctctcttc 1890  
Oy 1882 AGTGGCTGACTTCACACCTAGCATCTCATAGTGCACCAACAAAGAGAGAGAGAGA 1941  
Db 1891 agtggctgacttcacacacactcagcatctcagtgagtgccaagcaaaaggaggaagg 1950  
Oy 1942 AATAGCCTGCGCGGTTTTTATGTTGGGGGTTTTGCTGTCTTTTATGAGACCCATTC 2001  
Db 1951 aatagcctgcgcttcttctctctctctctctctctctctctctctctctctctc 2010  
Oy 2002 CTATTCTTATAGCAATGTTTCTTTTATCAGATATATATATAGTAAAGAAACATCAGTGA 2061  
Db 2011 ctattctcttaagtaagttctctctctctctctctctctctctctctctctctctc 2070  
Oy 2062 AATGCTAGCTGCAAGTGCATCTCTTGTATGTCTATGGAAGAGTJAAMCAGGTGAGA 2121  
Db 2071 aatgctagctgcaagtgacatctctctctctctctctctctctctctctctctctc 2130  
Oy 2122 AATTCCTTGATTCACATGAATGATGCTCTCTTCCCTGCCCCAGAACTTTTATCCACT 2181  
Db 2131 aatcctctgattcacaatgaaatgctcctctctctctctctctctctctctctc 2190  
Oy 2182 TACCTAGATTTACATATTTCTTAAATTTCACTCAGGCGCTCCCTCAACCCCA 2235  
Db 2191 tactatgattctacatatctctctctctctctctctctctctctctctctctc 2244  
|||||

RESULT 12  
US-60-118-318-292  
; Sequence 292, Application US/60118318  
; GENERAL INFORMATION:  
; APPLICANT: Roopa, Reddy  
; APPLICANT: Guejler, Karl, J.  
; APPLICANT: Au-Young, Janice  
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATE  
; FILE REFERENCE: PA-0013 P  
; CURRENT APPLICATION NUMBER: US/60/118,318  
; CURRENT FILING DATE: 1999-02-01  
; NUMBER OF SEQ ID NOS: 306  
; SOFTWARE: PERL Program  
; SEQ ID NO 292



Db 2011 ctattcttctatagtaacgttcttcttcttcaacgaataatagtaagaacaaacactcgtga 2070  
QY 2062 AATGCTAGTGCAGATGACATCTTGTGATGTCATATGAGAGTAAACAGGTGGAGA 2121  
Db 2071 aaagctcagcgaagtgacatctctcttgcatacgtgaagatcaaaagcgtgaga 2130  
QY 2122 AATTCCTTGATTCAGTAATGAATGCTCTCCCTTCCCTGCCCCAGAACTTTTATTCAC 2181  
Db 2131 aatcccttgatctcaatagaaatgctctctctcccttccctgccccagaaacttttccact 2190  
QY 2182 TACCTAATCTTACATATTTCTTTAAATTTTATCTCAGGCTCCCTCAACCCAC 2235  
Db 2191 taccatagatctacatacttcttcaatctcaacgtcagcctccctcaacccac 2244

RESULT 13  
US-60-278-258-2538  
; Sequence 2538, Application US/60278258  
; GENERAL INFORMATION:  
; APPLICANT: Morris, Macdonald  
; APPLICANT: Lal, Preeti  
; APPLICANT: Diep, Dinh  
; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using  
; TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide  
; FILE REFERENCE: GX-0010-1 P  
; CURRENT APPLICATION NUMBER: US/60/278,258  
; CURRENT FILING DATE: 2001-03-23  
; NUMBER OF SEQ ID NOS: 17730  
; SOFTWARE: PERL Program  
; SEQ ID NO 2538  
; LENGTH: 2386  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc.feature  
; OTHER INFORMATION: Incyte ID No: 331616.2  
US-60-278-258-2538

Query Match 94.8%; Score 2140.6; DB 66; Length 2386;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 2201; Conservative 0; Mismatches 9; Indels 5; Gaps 5;  
QY 25 ACCTGACGACACA-GCAACTGCCCTT-GGCAAGGACCTGAGACCCCTTGCTAGTCAAG 82  
Db 32 acctgacgacacagcacactcccttgggcaagagcctgagacccttgcataagcaag 91  
QY 83 AGGCTAATGGGCTGCGAGAACTAGAGAAAGCAAGCAAAAGCCATGATATTTCATG 142  
Db 92 aggcctaaatgggctgcagaaactagaaagaaagcaagacatgatatcttcacgt 151  
QY 143 GAAATGTCAGAGCACCCAGAGGACTTATGGAACATCTTCAAGTTGTGGGGTGAGCAAT 202  
Db 152 gaatatgcagagcaccagagggactatggaacatctcaagtgtcgggggtgagcaat 211  
QY 203 GCTCTGTGTGATTTCTCTGACATCATGAACTACTGCTGACCTTACATTTTCTGA 262  
Db 212 gctctgtgtgattctctgcacatcatcgtgaacgactgctgacatcttccatcttga 271  
QY 263 AAAACCATGAACTGCGAAAGGCTAGAGATTTCTGCCGAGACAAATTACAGATTAGT 322  
Db 272 aaaacccatgaactcgaaagggctagaagaatcttcgcgagacataatacagaatcag 331  
QY 323 TGGCATACAAACAGGCGAAATTTGAGTATCTGGAGAAAGCTCTGCCCTTCACTGCTTC 382  
Db 332 tgcatacaaaacaaagcggaaatctgagtaatctcgtgagaaagactcgtccttcagtcg 391  
QY 383 TTACTACTGATAGGATCCGGAAGATAGAGAAATATGACCTGGGTGGGAACCAACA 442  
Db 392 ttactactgataaggaatccggaagataagaaatcgtgagcgtgggtgggaacaaaca 451  
QY 443 ATCTCTCAGTAAGAAACAGAGAACTGGGAGATGATGAGCCCAACAAAGAAACA 502

Db 452 atcttactcgaagaagcaggaactcgtggagatcgtgtgagcccaacaaagaagaacaa 511  
QY 503 GGAGAGTCTGCTGGAGATCTATATCAAGAGAAACAAAGATCAGCAAAATGAAACATGA 562  
Db 512 ggaagactcgtgtgagatctatacaagaagaacaaagatcgaagcaaatgaaacgtga 571  
QY 563 CGCCTGCGACAAATTAAGGACGCCCTGTGTACAGCTCTTCCAGCCCTGCTGATG 622  
Db 572 cgcctgcacaaactaaagcagccctcgttacaagctctcttcagccctcgtgacgt 631  
QY 623 CAGTGGCCATGAGAAATGTGAGAAATCATCAATATACACTGCAACTGTGATGGG 682  
Db 632 cagtgccatgagaaatcgtgtgagaatcatcaataatcaacccgcaactcgtgtgag 691  
QY 683 GTACTATGGCCCCAGTGTACGCTTGTGATTCAGTGTGAGGCTTTGGAGCCCCAGACT 742  
Db 692 gtactatgggccccagtgatcgtgtgatcagtgtagagccttggagccccagagct 751  
QY 743 GGGTACCATGAGCTGTACTACCCCTTGGAACTGACCTTCAGCTCAGCTGTGCTT 802  
Db 752 gggtaacatgagctgtactccctctgggaactcagctcagctcagctgtgacct 811  
QY 803 CAGCTGCTGAAAGAAACAACTTAAGTGGATGAGAAACCACTGTGACCATTTGG 862  
Db 812 cagctgtctcgaagaagaacaaactaactgagatggaagaacacccctgtgacacttgg 871  
QY 863 AAATGCTCATCTCCAGAACCACTTGTCAAGTATTCAGTGTGAGGCTTATCAGACAC 922  
Db 872 aaactgtcatctccagaacaaactgtcgaatgtatcagtgtagcctctatcagaacc 931  
QY 923 AGATTGGGGATCATGAACGTGACCATCCCTGGCCAGCTTCAGCTTACCTGTGATG 982  
Db 932 agattcggggatcagacgtgacacatccctcgtgagcagctcagcttccctcgtcag 991  
QY 983 TACCTTATCTGCTCAGAAAGGAACTGATTAATGGGAGAAAGAAACCAATTTGTGATC 1042  
Db 992 tacttcatcgtcgcagaaagaaactgtaattcgggaagaagaacaaactcgtgacatc 1051  
QY 1043 ATCTGSAATCTGCTCAAAATCTTACATATGTCAAATAATTTGGACAAAAATTTCTCAAT 1102  
Db 1052 atctggaatcgtgcacaaatccctagccaatcgtcgaacaaatctggaacaaagttctc 1111  
QY 1103 GATTAAGAGGGGATTAATAACCCCTTCATTCAGTGGACATCAATGGTTACTGAT 1162  
Db 1112 gatlaagagagtgataltataacccccctcattccagtgagtcagtcagtcagtc 1171  
QY 1163 CTCTGGGTTGGCATTTATCAATTTGGCTGGCAGAGATTAAAAAAGCAAGAAATCCAA 1222  
Db 1172 ctctgggttgcatctatcatcttgcgcgcaagagatlaaaaaagcaagaatccaa 1231  
QY 1223 GAGAGTATGATGAGACCCATTAATTAATGCCCTTGTGTAAGAAATAATTTTGAATCTA 1282  
Db 1232 gagaagatgaatgaaccataatlaaacgcctctgtgaaagaanaatctctgaaatacta 1291  
QY 1283 AAATCATGAGATCCTTAATCCTTCATGAAAGCTTTGTGGTGGGACCCCTCAGC 1342  
Db 1292 aaatcatgagatccctttaaactccatcgaacgcttctgtgtgtgagcccccacg 1351  
QY 1343 TCAACATGAAAGTGTG-TTCCCTCAGTCAATCTTGGAGAAATTTCTACCCGCAACAGTT 1401  
Db 1352 tcaaacatgaaagtgttcttccctcagtcagtcagtcagtcagtcagtcagtcagtc 1411  
QY 1402 CTTTACGCTTCATTTTGGCCCCCTCATTTATTCCTCAACCCCGACCCACAGAGTCTTATA 1461  
Db 1412 ccttcagcttccatcttgcgccctcatctatccctcaaccccccagcccaagtgcttata 1471  
QY 1462 CAGCTCAGCTTTTGTCTTTTCTGAGGAAACAAATAAGACAT-AAAGGAAAGATTC 1520  
Db 1472 cagctcagctcttctgtcttctcgtgaggaagaacaaataaagccataaaggaagatc 1531  
QY 1521 ATGTGGAATATAAGATGAGTGTGACTTGTCTTCTTGTGACTCTTGTGTTTCAAT 1580

Db 1532 atgtggaataaagaatgagctgacttctctcttcttgaactcttcttcaatt 1591  
QY 1581 CAGTGCCTGATTGATGACAGACCTTAAATGAAGTGAATTTATCATCTGTGAA 1640  
Db 1592 cagtgccgtacttgaagcagacacattctaagaatctgatacatactgaa 1651  
QY 1641 TATGACTCAGATTTCTTGCAGATCAAAATTTCAAGTGTCTGTATGATGTGAGAT 1700  
Db 1652 tatgactcagttctcttgagatcaattcaacgtctctctctgatacttggagta 1711  
QY 1701 CACTCTTATGAAAGTTCAAAAAGTCTACGCTCTCTTTTCTTAATCACTGAAGTA 1760  
Db 1712 cactctataagaagtcaaaaagctacgctctctcttcttctaactcagtgaa 1771  
QY 1761 ATGGGCTCTGCTCAAGTTGAAAGAGCTCTATTGCACTAGACCTGCGCTGTGAAT 1820  
Db 1772 atgggctcctgccaagtctgaagaagctcatttgcacttgagccctgcgcctggaat 1831  
QY 1821 TGGACCATCTTATTAATCTGGCTTCAAGGCTCCCAACCTTTCTTCAAGCACCTCTTTT 1880  
Db 1832 tggacatccatttaacttacttgctca-gcctcccaactcttccagccactctctt 1890  
QY 1881 CAGTGGCTGACTTCCACACACTAGCATCTCATGATGCGCCAGCAAAAAGAGAGAAG 1940  
Db 1891 cagtgctgacttccacacactagcatctcaatgagtgccaaagagaagaagag 1950  
QY 1941 AATATGCTGCGCGGTTTTTTAGTTGGGGTTTTGCTGTTCTTTTATGACACCAT 2000  
Db 1951 aatagcctgcgctgtttttttagttgggggttttgctgttcttctttagaaccatt 2010  
QY 2001 CCTATTCTTATAGTCAATGTTCTTTTATACAGATATTATTAAGAAAACATCACTG 2060  
Db 2011 cctattcttatagtcaatgcttcttcttcaagatatattagtaagaacaatcacg 2070  
QY 2061 AATGTACTGTCAAGTGCATCTCTTATGATGATATGAGAGAGTAAACAGGTGAG 2120  
Db 2071 aatgtactgtcaagtgacatctcttgatgcatatagaaagagtaaaacagtgag 2130  
QY 2121 AATTTCTTGAATTCACAAATGATGCTCTCTTCCCTGCCCCAGAACTTTATCCAC 2180  
Db 2131 aattctcttgatcacaatgaatgctctctcttccctcccgccccagaactttatccc 2190  
QY 2181 TTACCTAGATTTCTACATATTTCTTTAAATTTTCATCTGAGGCTCCGCAACCCAC 2235  
Db 2191 ttacctagatctacatattcttctaattctcatctcgaagccctccccaacccac 2245

RESULT 14  
US-09-997-722-137  
Sequence 137, Application US/0997722  
GENERAL INFORMATION:  
APPLICANT: Morris, David  
APPLICANT: Engelhard, Eric  
TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER  
FILE REFERENCE: A-71171/RMS/DCF  
CURRENT FILING DATE: 2001-11-30  
PRIOR APPLICATION NUMBER: US 09/747,377  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: US 09/798,586  
PRIOR FILING DATE: 2001-03-02  
NUMBER OF SEQ ID NOS: 301  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 137  
LENGTH: 2324  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-997-722-137

Query Match 94.7%; Score 2138.8; DB 36; Length 2324;  
Best Local Similarity 99.3%; Pred. No. 0;  
Matches 2179; Conservative 0; Mismatches 12; Indels 3; Gaps 3;

QY 44 CCCTTGGCAGAGACCTGAGACCTTGTCTAAAGTAAAGGCTCAATGGCTGCAGAG 103  
Db 4 ccttggcagagacctgagaccccttgtctaaagtcaagaagctcaatgctgcagaag 63  
QY 104 AACTAGAGAAAGCACAAGCAAAAGCATGATTTCCATGGAATGTCAGACCCAGAG 163  
Db 64 aactagagaaagcacaagcaaaagcatgatatccatggaatgcaagcaccagag 123  
QY 164 GGACTTATGGAACATCTTCAAGTTGTGGGGTGGACAAATGCTGTGTGATTTCTGTC 223  
Db 124 ggaactatggaacatcttcaagtgtgggggtggacaatgctgttggatctctg 183  
QY 224 ACATCATGGAACCTACTGTGTGACTTACCATATTCTGAAAAACCATGAACTGGCAAG 283  
Db 184 acatcatggaacctactgtgtgacttaccattatcttgaaaaacccatgaaactggcaag 243  
QY 284 GGCTAGAAATTTCTGCGAGACAAATTCACAGATTTAGTGGCATACAAAACAGCGGA 343  
Db 244 ggctagaagatctctgcgagacaattacacagatttagtgcatacaaaaagagcgga 303  
QY 344 AATTGATTTCTGAGAGACACTCTGCTTCAAGTCTTACTAGTGAATGAAATCG 403  
Db 304 aattgattctggaagaagactctgcttccagtcgttcttactactgataagatccg 363  
QY 404 GAAAGTAGGAGGATATGAGAGCTGGGTGGGAGCAACAAATCTCTACTGAAAGAGAGA 463  
Db 364 gaagataagagaaatalatgacgtgggtgggaaccaaatcttacttgaagaagacga 423  
QY 464 GAAGTGGGAGATGTTGAGCCCAACACAGAAAGAGAGAGACTGCTGGAGATCTA 523  
Db 424 gaactggggagatgtgtgagcccaacaacaagaagaagaagagactcgtggagatcta 483  
QY 524 TTATCAAGAAACAAGATGACAGGCAATGGAAGATGACGCTTCACAAACTTAAAGGC 583  
Db 484 tatcaagaaacaagaatgacagcaaatggaatgacgcttgcacaacaactaaagc 543  
QY 584 AGCCCTGTTTACAGAGTCTTGGCAGCCCTGGTCAATGAGTGGCCATGGAATGCT 643  
Db 544 agccctgttacaagactcttgcagcccttgcagtcagtcagtgccatggaatgagtg 603  
QY 644 AGAAATCATCAATATATACACACCTGCACTGTGATGTTGGGTACTATGGGCCCGAGTCA 703  
Db 604 agaaatcatcaataatcaactgcaactgtagtggtggtatcatggtccccagtgca 663  
QY 704 GCTTGTGATTAAGTGTAGCCTTTGGAGCCCCAGAGTGGGTACATGACTATCTCA 763  
Db 664 gtltgtatcaagtgtgagccttggagccccagagctggtatcacatgagcttactca 723  
QY 764 CCCCTTGGAAACTTCACACTTCAGCTCAGTGTGCTTCAAGTGTGAAAGAACAAA 823  
Db 724 ccccttggaaacttcagacttcagactcagtcagtggtccttgcagctctggaagaaaca 783  
QY 824 CTTAATCGGATTTGAAGAAACACCTGTGACATTTGGAAACTGTATCTCCAGAAC 883  
Db 784 cttaactggtatggaagaacacacctgagccaatttggaaactgcatctccaagacc 843  
QY 884 AACCGTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 943  
Db 844 aaccgtaagtgtatgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgag 903  
QY 944 TAGCCATCCCTGGCCAGACTTCAGCTTACCTGTGATGATGATGATGATGATGATGATG 1003  
Db 904 tagccatccctggccagacttcagcttaccctcgtcatgtaacttccctgcgccaagaag 963  
QY 1004 AACTGAGTTAATTTGGAAGAAAGAAACCATTTGTAATCATCTGGAATCTGTAATTC 1063  
Db 964 aactgagtttaatttggagaagaagaacatttggatcatctggaaatctggtcaatcc 1023  
QY 1064 TAGTCCAAATATGTCAAAATTTGACAAAATTTCTCAATATTAATTAAGAGGCTATATA 1123  
Db 1024 tagtccaatatgtccaaaatttgcaaaagttctcattgaatgaagaagtgattataa 1083

OY	1124	CCCTCTCATTCCAGTGGCACTCAGTGGTTACTGATCTCTCTGGGTTGGCTTTATCAT	1163
Db	1084	CCCCCTCATTCCAGTGGCACTCAGTGGTTACTGATCTCTCTGGGTTGGCTTTATCAT	1143
OY	1184	TTGGCTCGCAAGGAGATTATAAAAAAGCAAGAAATCTCAAGACAGATGATGAATGACCATA	1243
Db	1144	ttggctcgcaaggagattataaaaaagcaagaatctcaagagatgatatgaatgaccata	1203
OY	1244	TTAAATGCCCCTTGGTGAAGAAAATTTCTTGAAATCTAAAAATCATGAGATCTTTTAA	1303
Db	1204	ttaaatgcaccttggtagaagaanaattcttggatactaanaatcatgagatctttaa	1263
OY	1304	TCTCTTCATGAAGCTTTTGTGTGGTGGCACTCTTACGTCAACATGAAGTGT- TTCC	1362
Db	1264	tccttccaibgaagcttlttltgtgtggcactcttacaacatgaagtgtlttcc	1323
OY	1363	TTTCAGTCATCTGGGAAGATTCTTACCCTGCAACAGTTCCTTCAGCTCACTTTTGGGCC	1422
Db	1324	tttcagtgcatctgggaagattcttaccctgcaaacagtcttccctcagcttccatctgcgc	1383
OY	1423	CTCATTTATCCCTCAACCCCCCAGCCCAAGGTGTTATACAGTCAAGCTTTTGTCTTTT	1482
Db	1384	ctcatattatccctcaaacccccagcccaagtggttatatacagctcagcttltgtctt	1443
OY	1483	CTGAGGAGAAACAATATAGACAT- AAGGAAAGATTCTATGTGAAATATAAGATGCT	1541
Db	1444	ctgagagaaacaataaagacataaaggaaagattcatgttggaatataaagtgc	1503
OY	1542	GACTTTCCTCTTCTTGACCTCTTGTTTTCAGTTTCAATTCACTGCTGTACTTTGATGACAG	1601
Db	1504	gacttgcctcttcttgacctctgtlttcaaglttcaatcagtgcttacttgaagag	1563
OY	1602	ACACTTTTAAATGAAGCAAGCAAAATTGATATGATGAAATGAGACTAGTTTCTTGCA	1661
Db	1564	acaactttaaagtgaagcaaatlttgatatacatggaatacagctcaglttctctgca	1623
OY	1662	GATCAAAATTTACAGTCTGCTTCTGTATACTGTGGAGTACACTCTTATAGAAAGTTCAA	1721
Db	1624	gatcaaatttacagctgcttctgtatactgtggagtgacactcttatagaaagtccaa	1683
OY	1722	AAGCTTACGCTTCTCTTTTCTTAACTCCAGTGAAGTAAATGGGTCCTGCTCAAGTTGA	1781
Db	1684	aagctacgctctctcttcttctaactccagtgaaataagggtctctgctcaagttga	1743
OY	1782	AAGAGTCTATTGACACTGTAGAGCTGCGCGTCTGTAATTTGAGACATCTATTAACTGG	1841
Db	1744	aagagctctcttctgcaactgtagcctgcgctgtgaaatltgacaatctattaaactgg	1803
OY	1842	CTTCAGGCGTCCCACTCTTCTTCAGCACACTCTCTTTTCAAGTTGGTACATTCACACC	1901
Db	1804	cttca- gcttcccaactcttctcagcaactctcttctcaglttggctgacttcaaccc	1862
OY	1902	TAGCATCTCATGAGTGGCAAGCAAAAGAGAGAGAGAAATACCTTCGCGGTTTTTTT	1961
Db	1863	tagcatctctagagttgccaaagagaagagaagaataagcctgcgctgttctt	1922
OY	1962	AGTTTGGGGGTTTTGCGTTTTCTTTATGAGCCCATTCGATTTCTTATATGACAAATGT	2021
Db	1923	agttctgggggttcttgcglttcttcttcaagacccatctccattcttataagttcaatgt	1982
OY	2022	TTCTTTTATACAGATATTATTACTAAGAAACATCACTGTAATGCTAGCTGCAAGTGACA	2081
Db	1983	ttcttcttaagaatatattatgttaagaaataatcaactgaaatgtctgctgaagtga	2042
OY	2082	TCTCTTTGATGTCAATGGAAGATTAAAAAGGTGGAGAAATTCCTTGATTCCACATGA	2141
Db	2043	tcctcttgatgtcatatggaagattaaaaaggtggagaaatctcctgattcaacaatga	2102
OY	2142	AATGCTCTGCTTTCCTGCCCCCAACATTTTATCCACTTACGTAAGTTCACATATTG	2201
Db	2103	aatgctctcttcttcccttgcgccccagaccttattaccattacccagatlttcaatattc	2162
OY	2202	TTTAAATTTATCTCAGAGCTCTCCCTCAACCCAC	2235

Db	Sequence	Query Match	Best Local Similarity	Matches	Score	Pred. No.	Mismatches	Indels	Gaps
Db	2163 ttctaattcattcaggccctccccaacccac	2196							
RESULT	15								
US-60-172-373-15742									
Sequence 15742, Application US/60172373									
GENERAL INFORMATION:									
APPLICANT: Morris, Macdonald									
APPLICANT: Lal, Preetl									
APPLICANT: Diep, Dinh									
TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using									
TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide Polym									
FILE REFERENCE: GX-0006 P									
CURRENT APPLICATION NUMBER: US/60/172, 373									
CURRENT FILING DATE: 1999-12-16									
NUMBER OF SEQ ID NOS: 25, 772									
SOFTWARE: PERL Program									
SEQ ID NO 15742									
LENGTH: 2387									
TYPE: DNA									
ORGANISM: Homo sapiens									
FEATURE:									
NAME/KEY: misc-feature									
OTHER INFORMATION: Incyte ID No: 331616.2									
US-60-172-373-15742									
Query Match	94.3%	Score 2129.6;	DB 56;	Length 2387;					
Best Local Similarity	99.3%	Pred. No. 0;							
Matches 2201; Conservative	0;	Mismatches	9;	Indels	6;	Gaps	6;		
25	ACCTGACAGACA-GCAGACTCCCTTT-GGAGAGACGTGACACCCCTTGCTAAGT-CAA	81							
32	accgagacacagcgacacccctccttggcaagaacctgagaccctcgtctgaagtcacaa	91							
82	GAGGCTCAATGGGCTGTCAGAAAGACTAGAGAAGACCAAGCAAGCCATGATATTTCAT	141							
92	gaggtcaatcagtcgctcgcaagaactagagaagaccagaagaagccatgatttcacat	151							
142	GGAATGTCAGAGCACCAGAGGACTTATGGAATCTTAACTTGTGGGGCTGGACAA	201							
152	ggaatctcagaagacccagagagactatgaaacatctcgaatctcgggggctgacaa	211							
202	TGCTGTGTTGATTTCCTGGACATCATGTGACACTACTGCTGACTTACATTAATTCG	261							
212	tgctcgtctggaattccctcgcacatcacygaaccgacgtcgtgacttaccattatctcg	271							
262	AAAAACCCATGACATGCGAAGGGCTAGAAATTCCTGCGAGACAATTTACACAGATTAG	321							
272	aaaaacccaatgaactcgcaagaaggtcgaagaattctcgcgaagaatcacaacgaattag	331							
322	TTGGCATCAAAACAGGCGAAATTGAGTATCTGAGAGAGACTCTGCCCTTCATGTCGTT	381							
332	ttgcatcaacaacaagcggaaattgatactcggagaagactcgtcccttcagtcgtc	391							
382	CTTACTACTGATAGGATTCGGAAGATAGAGAGAATATGACACTGGGTGGGAACAA	441							
392	cttactactgatatgaaatccggaagatagagaataatctgacgtggtgggaaccaca	451							
442	AATCTCTACTAGAAACACAGAACTGGGAGATGTGATGACCCCAACAAAGAAACAA	501							
452	aatcctctacacgaagaagcagaagaactcgggaagatgltgagcccaacaacaagaagaca	511							
502	AGGAGACTGCGTGAGATCTATATCAAGAGAAAACAAAGATGACGAGCAATGGAACGATG	561							
512	aggagactcgtcggagatctatatcaagaagaacaagaatgacgcaaatcgaagatc	571							
562	ACGCTGCCCAAACTAAGGACACCCCTCTTTACACAGCTTCTGGCAGCCCTGGTCAT	621							
572	acgcctcgcacaacaaatgaagcagccctctgttacaagactctcttcgcaagccctgcat	631							
622	GCAGGGCCATGGAATGTGTAGAAATCATCATTAATCAACCTGCACGCTGATGTGG	681							



Db	632	gcagttgccaatggagaaatgctgtaagaataatcaataatataactgcgaactcgtgatactg	691
Qy	682	GGTACTATGGGCCCCAGGTGTCAGCTTGTGATTCACTGTGACGCTTTGGAGCCCCACAGC	741
Db	692	ggtaactatggccccagatgctacagcttcttgatctcagttgtagcctcttgagccccagagc	751
Qy	742	TGGGTACCAATGGACTGTACTTCACCCCTTTGGAAACTTCAGCTTGAGTCACAGTGGCC	801
Db	752	tggatcaactggaactcgtactcaactctcttgggaactctcagcttcaagctcaagtgtagcc	811
Qy	802	TCACTGCTCTGAGAACAACAACTTAACTGGGATTGAAGAAACCACTGTGACCACTTGG	861
Db	812	tcagctgcctctgaagaaacaaacttaactcgtgattggaagaaaccaactcgtgagcaattg	871
Qy	862	GAATCGGTCACTCTCCAGAACCAACTGTGCAAGTATTCACTGTGACCTCTATCAGCAC	921
Db	872	gaacatggtcaactctccagaaaccaactctgcaatgattcagtgtagcctctcaagcac	931
Qy	922	CAGATTTGGGGATCATGAACTGTATGCCATTCGCCCTGGGCGACGTTTCAGTTTACCTGCAT	981
Db	932	cagatttgggatactggaactcgtgacatgcaatcccccgtgcagcttcagcttcaactcgtat	991
Qy	982	GTAACCTTCACTGCTCCACAGAAGAACTGATTAAATGGAGAAAGAAAACCACTTGTGAAT	1041
Db	992	gtaaccttcaactcgtccagaaagaaactgattaatcttggaagaagaagaaacaaacttgaa	1051
Qy	1042	CATCTGGAATCTGGTCAAAATCCTGTGCCAATATGTGCAAAAATTGGCAAAAGTTGTCAA	1101
Db	1052	catctggaaactcgtgcaaatccctatgccaataatgtaaaaaatggaagaaagttctcga	1111
Qy	1102	TCAATTAAAGAGGGGTATTATTAACCCCTCTTCATTTCCAGTGGCAATGATGGTTACGAT	1161
Db	1112	tgaattaaagagagtgattataaccccctcttcaacttcagtgagcaatcagttaactgcat	1171
Qy	1162	TCTCTGGGTGGCAATTTTTCATTGGTGGCGAAGAGATTAATAAAGACAGCAAAATCCA	1221
Db	1172	tctctgggttgcatctatcaactcttggtcgtggaaggaattlaaaaaaaggcaagaatcca	1231
Qy	1222	AGAGAAGTATGAATGACCCCATATTAAATCGCCCTTGGTGAAGAAATAATCTTGGAACTAC	1281
Db	1232	agagaagatgaatgaaccatataatcgccttggtggaagaataatcttctggaact	1291
Qy	1282	AAAAATCAATGAGATCCCTTAAATCCCTTCCATGAAAGCTTTTGTGTGTGGCACCTCCTAC	1341
Db	1292	aaaaatcaatgaatcccttlaaactcttccatgaaacgcttctgtgtggtgacacctctac	1351
Qy	1342	GTCAAACATGGAAGTGTG-TTCTCTTCACTGATGTGGGAAGATTTTCACCCGACCAACAGT	1401
Db	1352	gtcaaacatggaagtggtgttcttccatgcatctgtggaagatcttcaactgcacaacgt	1411
Qy	1401	TCTCTCAGCTTCCATTTCGCCCCTCATATTATGCCCTCAACCCCGCACAGGTGTTTAT	1461
Db	1412	tctctcagcttccatttcgccccctcatcttccctcaacccccagccccacagtgcttat	1471
Qy	1461	ACAGCTCAGCTTTTGTCTTTTTCAGAGGAAGAAACAATAAGAACCAAT-AAGGGAAAGGAT	1511
Db	1472	acagctcagcttcttcttcttctcgtgaggaagaaacaaataagacaaaaagggaaagatc	1531
Qy	1520	CATGTGGAATTAAGATGGCTGACTTGGCTCTTCTTACACTCTGTTTTCAGTTTCAT	1571
Db	1532	catgtggaataaagaatgctgacttcttcttcttctgactcttcttgaattcaat	1591
Qy	1580	TCAGGTCGTACTTGGATGACAGACACACTCTTAATGAAGTGCACAAATTTGATACATGTGCA	1631
Db	1592	tcaggtgcgtactctgtagaagacactcttaaatgaatgcaaaatttgatacatatctgta	1651
Qy	1640	ATATGAGCTCAGTTTCTTTCACATCAATATTTACCTGCTTGTGTATACCTGTGAGAGT	1691
Db	1652	atatgagctcagttcttcttcttcagatacaaatcttcaagtgcttctcgtataactcgtggaagt	1711
Qy	1700	ACACTCTTATAGAAAGTTCAAAAAGTCTACGCTCTCTTTCTTCTAACCTCCAGTGAAGT	1751

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Db      1712  acactcttatagaagaagttcaaaaagctagaagctctctctcttcttcttctaactcagtgaaagt 1771
QY      1760  AATGGGGTCTGTGCTCAAGTTGMAAGAGTCTTATTTGCACTGTAGCTCGCCGCTGTGAA 1819
Db      1772  aatggggctcgtccaagtltgaagagcttccatttgcacgttagcctgcctgcgtctgaa 1831
QY      1820  TTGGACCATCCTATTATTAACGTGGCTTTCAGAGGCTGCCACCTTCTTCAGCCACTCTTTT 1879
Db      1832  ttggaccatccatttaactcgtgcttca-gctccccaactcttccaagccactctctt 1890
QY      1880  TCAATTTGGCTGACTTTCACACCTGACATCTCATATGATGCGCAAGCAAAAGAGAGAAGA 1939
Db      1891  tcaagtgcctgactctccacaacctagacatctcatgagtgccaagaaaagagaaga 1950
QY      1940  GAAATAGCCTGCGCGGCTTTTTTAGTTGGGGGCTTTTGCTGTTTCTTTTATGAGACCAT 1999
Db      1951  gaataagcctgcgcgctgttttcttagtttggggggttttctgttcttctttagagaccat 2010
QY      2000  TCGTATTTCTTATAGTCAATAGTTTCTTTTATTCACAGATATTATTAAGTAAGAAACATCACT 2059
Db      2011  tctcatcttcttaagtcacaagtcttcttcttcttccaagatattatagtaagaataatcact 2070
QY      2060  GAAATGCTAGCTCAAGTGACATCTCTTTGATGTGCATATGGAAGAGTTAAACAGGTGA 2119
Db      2071  gaaatgctagctgaagtgacatctctttagtgcataatgaaaggttaaaacagtgga 2130
QY      2120  GAATTCCTTGATTTCCAAATGAAGAAATGCTCTTCCTTTCCCTCCGCCCCGCAAGCTTTATCCA 2179
Db      2131  gaattctcttgatctcaaaagaaatgctctcttctccctccgcgcccaagaactttatcca 2190
QY      2180  CTTACCTAGATTCTACATATTCTTTAAATTTCATCTCAGGCGCTCCGCAACCCAC 2235
Db      2191  cttaactaggtctacatatcttctaattcatcttcagcgctccctccccaacccac 2246

RESULT 16
US-09-836-544-30
; Sequence 30, Application US/09836544
; GENERAL INFORMATION:
; APPLICANT: The General Hospital Corporation
; TITLE OF INVENTION: Rapid Immunoselection Cloning Method
; FILE REFERENCE: 11-88L
; CURRENT APPLICATION NUMBER: US/09/836,544
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 07/983,647
; PRIOR FILING DATE: 1992-12-01
; PRIOR APPLICATION NUMBER: US 07/553,759
; PRIOR FILING DATE: 1990-07-13
; PRIOR APPLICATION NUMBER: US 07/498,809
; PRIOR FILING DATE: 1990-03-23
; PRIOR APPLICATION NUMBER: US 07/379,076
; PRIOR FILING DATE: 1989-07-13
; PRIOR APPLICATION NUMBER: US 07/160,416
; PRIOR FILING DATE: 1988-02-25
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
; LENGTH: 2350
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-836-544-30

Query Match          94.2%; Score 2127.8; DB 32; Length 2350;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2179; Conservative 0; Mismatches 12; Indels 4; Gaps 4

QY      44  CCCTTTGGCAAGGAGCTAGAGCCCTTGTGCTTAAGTCAAGAGGCTCAATGGCTGCAGAAG 103
Db      4    ccttggcaagagactgagacccttgtgctaaagtaagagagctcaatggtctgagaag 63

QY      104  AACTGAGAGAGCAACCAAGCAAGCCATGATATTTCATGGAATGTGACAGACCCAGAG 163

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Dh 64 aactagagaagcaagcaagccatgatalttcca tggaaatgctcagaccaccag 123  
Qy 164 GGACTTATGGAACATCTTCAAGTTGTGGGGGTGGACAATGCTCTGTGTGATTTCCGGC 223  
Dh 124 ggaactatggaacatcttcaagtgtgagggtggacaatgctcgtgtgattctccgagc 183  
Qy 224 ACATCATGGAACCTTACTGCTGAGCTTACATTTATTTGAAAAACCCATGAACTGGCAAG 283  
Dh 184 aactatggaacccgactgctggaacttccattctcgaataaacccatgacatgagcaag 243  
Qy 284 GGCCTAGAAGTTCTGCCGAGACATTTACAGAGATTTAGTTGCCATACAAAAACAGCGGA 343  
Dh 244 ggcctagaagatcttcgcgcgagacaattacacagatttagtttcgcatatacaaaagggga 303  
Qy 344 AATTGAGTATCTGGAGAAGACTCTGCCCTTCACTGCTTCTTACTACTGAGTATGCAATCCG 403  
Dh 304 aattgagatctcggagaagactctgccttcaatcgtcttactaacttggatlaagaaatccg 363  
Qy 404 GAAGATAGGAGATATGACGTGGGTGGGAGACCAACAAATCTCTACTGAGAGACAGA 463  
Dh 364 gaagatagaggagaatatgagcgttgggtggaaaccaataatctctcaatgaagaagcaga 423  
Qy 464 GAACCTGGGAGATGTGAGCCCAACAACAAGAACAGAGAGACTGCGTGGAGATCTA 523  
Dh 424 gaactgggagatcgttggagcccaacaagaagaagaagatcgtcgttggagatctta 483  
Qy 524 TATCAGAGAAACAAAGATGTCAGCAAAATGGAACGATGAGCGCTGCCACAACATTAAGGC 583  
Dh 484 tatcaagaagaacaaagatgcaaggcaaatggaaacgatacgcctggccaacactaaagac 543  
Qy 584 AGCCCTCTGTATACACAGCTTCTGCCAGCCCTGGTCACTGAGTGGCCATGAGAAATGTG 643  
Dh 544 agccctctgttacaacgctctcttgcgcagccctcgttgcatacgtgagccaatggaatgtgt 603  
Qy 644 AGAAATCATCAATATATCACACTGCAACTGTGATGTGGGTACTATGAGGCCCAAGTGTCA 703  
Dh 604 agaatacatcaataatatacaccctgcgaactgttgatgtgggtactatgagcccgatctca 663  
Qy 704 GCTTGTGATTCATGTGTGAGCCTTTGGAGGCCCAAGACTGGGTACCATGGAACGTACTCA 763  
Dh 664 gcttgtgattcaagltgtagccttggagcccaagactgggtataccaatgagatctta 723  
Qy 764 CCCCTTTGGAACCTTCACTGCTGACGTACAGTGTGCTTACGTGCTGTAAGAAACAAA 823  
Dh 724 cctcttggggaactctcagcttccacacagtgctgcttcaagctccttgaagaagaacaaa 783  
Qy 824 CTTAACCTGGATTGAAGAAACACACTGTGTGACCAATTTGAAACTGCTCATCTCCAGAAC 883  
Dh 784 ctttaactgggatactgaagaacacacccctgtggacatttggaaactggtcatctccagaaac 843  
Qy 884 AACCTGTCAAGTATTCAGTGTGAGCCTCTATACAGCACAGATTTGGGGATCATGAACGTG 943  
Dh 844 aaactgtcaagtgatctcagtgtagccttcatcagcacacagacttgggagatcaltgaactg 903  
Qy 944 TAGCCATCCCTGGCCAGCTTCACTGCTTACCTGTGATGACTTCACTGCTGCTGACAGAG 1003  
Dh 904 tagcattccctcggccagcttccagcttcaactctgcatacgttaactctcatctgcctcagaag 963  
Qy 1004 AACTGAGTTAATTGGAGAAGAAACCAATTTGTAATCATCTGGAAATCTGTCAAAATCC 1063  
Dh 964 aactggatttaattgggagaagaacacatttgtgaatcatctcggaaactcgtgccaatctc 1023  
Qy 1064 TACTCCAATTATGCAAAATTTGACAAAATTTCTCAATATTAAGAGAGGTGATTTATA 1123  
Dh 1024 tagtcaaatatgtcaaaaatltggacaaaatlttctcaatgatatlaagaggggtatalttaa 1083  
Qy 1124 CCCCTCTTTCATTCAGTGGCAGTCACTGATGTTACTGATTTCTGGGTGGCATTATATCAT 1183  
Dh 1084 cccctcttcatctccagtgtagcatcgttactgcatctctcgggttggcatattatcat 1143  
Qy 1184 TTGGCTGGCAAGAGATTTAAAAAAGCAAGAAATCCAGAGAGATTAAGATGAGCCATA 1243  
Dh 1144 ttggctggcagaagatataaaaaagccaagaaatcccaagaagatatgtaatgacccata 1203

Qy 1244 TTAATGCGCCCTTGGTGAAGAAATTTCTGGAATACTATAAAATCATGAGATCCTTTAA 1303  
Dh 1204 ltaaatcgcccttgggtgaagaanaaatcttcttgaataactataaaaatcagagatccctttaa 1263  
Qy 1304 TTCTTCCATGAACGTTTTTGTGTGGACCTTCTACGTCAACATGAAGTGTG-TTCC 1362  
Dh 1264 tctcttcaatgaacagtttgtgtgtgtgtagccctccctcagtcacaaacagaaagtgtgttcc 1323  
Qy 1363 TTGAGTGCATCTGGGAAGATTTTACCCGACCAACAGTTCCTTCAAGTTCCATTTCCGCC 1422  
Dh 1324 ttcagtgcatctgggaagatcttctactcctggacccaagttccttcaagtcttccattcgc 1383  
Qy 1423 CTGATTTATCCCTCAACCCCCAGCCCAAGAGTGTATTAACAGCTACACTTTTGTCTTT 1482  
Dh 1384 ctcaattatcccttaaccccccaagcagtggttatacagctcagcttltgttctt 1443  
Qy 1483 CTGAGAGAAACAAATTAAGACAT -AAGGAAAGAGATTCATGTGAAATTAAGATGGCT 1541  
Dh 1444 ctgagagagaacaaataagaccataaagggaaggaattcatgtggaatataaagatgct 1503  
Qy 1542 GACTTTGCTCTTCTTGTGACTCTTGTGTTTCAATTCAGTGTGACTTGTATGATGACAG 1601  
Dh 1504 gacttgcctcttcttgactctgttctcagtttcaattcaatcagtgctgtactgtatgacag 1563  
Qy 1602 ACACTTCTAATGAAGTCAAAATTTGATACATATGTAATGAGACTGATTTTCTTGCA 1661  
Dh 1564 acacttctaaatgaaatgaaatltgtatataatgtgaaatgaaatcaglttcttctgca 1623  
Qy 1662 GATCAAAATTCACAGCTGCTTCTGTATACGTGTGGAGGTATACATCTTATTAAGATTCAA 1721  
Dh 1624 gatcaaatlttcaacgtcgtctcttctgtatactgttggaggtataacccctctatgaagaatc 1683  
Qy 1722 AAGTCAAGCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1781  
Dh 1684 aagcttaagctctctcttcttcttcttcttcttcttcttcttcttcttcttcttcttctt 1743  
Qy 1782 AAGAGTCTAATTTGCAATGATAGCTGCGCGTGTGTAATTTGAGCAACATTAATTAATGG 1841  
Dh 1744 aagagctcttaatttgaactgttagcctcgcgtcgttgaattggacacatcttaacttct 1803  
Qy 1842 CTTCAGGCTCTCCACACTTCTTCAAGCCACCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1901  
Dh 1804 ctcca -gcctccacactcttctcagccactctcttcttcaagtgtgtgtcttccaaac 1862  
Qy 1902 TAGCATCTCATGAGTGGCAAGCAAAAGAGAGAGAGAGAAATAGCCTGGCGGTTTTTT 1961  
Dh 1863 tagcatctcatgagtgccaagcaaaaggagaagaagaagaatagcctgcgtcttctt 1922  
Qy 1962 AGTTTGGGGTTTTTGTGTTTCTTCTTATTAAGACCCATTCCTATTTCTTATAGCAATGT 2021  
Dh 1923 agtttgggggttcttgcgttcttcttcttcttcttcttcttcttcttcttcttcttct 1982  
Qy 2022 TTCTTTTATCAGATATTTATTAAGAAACATCACTGAATAGCTGAGTGCAGAGTGA 2081  
Dh 1983 ttcttcttcaatgatatataatgaaagaacacatcactgtaaatgctagcctgcaagtgaca 2042  
Qy 2082 TCTCTTTGATGTCAATATGAGAGTTAAACAGGTGAGAAATTCCTTGATTCACAATGA 2141  
Dh 2043 tctcttgaatcatatgataatgaaaggtttaaacaagtggaagaatcttcttgaatcacaatga 2102  
Qy 2142 AATGCTCTGCTTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2200  
Dh 2103 aatgctctcttcttccctcgc 2162  
Qy 2201 CTTTAAATTCATCTCAGGCTCCTCAACCCGAC 2255  
Dh 2163 cttaaattcatctcagcctcctcctaaccacac 2197

RESULT 17  
US-09-836-544A-30  
; Sequence 30, Application US/09836544A

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; GENERAL INFORMATION:
; APPLICANT: The General Hospital Corporation
; TITLE OF INVENTION: Rapid Immunoselection Cloning Method
; FILE REFERENCE: 11-88L
; CURRENT APPLICATION NUMBER: US/09/836,544A
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 07/983,647
; PRIOR FILING DATE: 1992-12-01
; PRIOR APPLICATION NUMBER: US 07/553,759
; PRIOR FILING DATE: 1990-07-13
; PRIOR APPLICATION NUMBER: US 07/498,809
; PRIOR FILING DATE: 1990-03-23
; PRIOR APPLICATION NUMBER: US 07/379,076
; PRIOR FILING DATE: 1989-07-13
; PRIOR APPLICATION NUMBER: US 07/160,416
; PRIOR FILING DATE: 1988-02-25
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
; LENGTH: 2350
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-836-544A-30
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Query Match      94.2%; Score 2127.8; DB 32; Length 2350;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 2179; Conservative 0; Mismatches 12; Indels 4; Gaps 4;
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OY 44 CCCTTGGCAAGGACCTGAGACCCCTGTGCTAAGTCGAAGGCTCATATGGCTGCAGAG 103
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Db 4 ccttggcaaggaacctggaacctgtgtctaagtaagaagctcaatggtcgcagaag 63

OY 104 AACTAGAGAGGAGCAACGCAAGCCATGATATTTCCATGGAATGTCAGAGACCCAGAG 163
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 64 aactagagagagcaacgaagaagccatgatttccatggaatgtcagagaccagag 123

OY 164 GGACTTATGGAACATCTTCAAGTTGTGGGGGTGAGACATGCTCTGTTGTGATTTCCGTGC 223
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 124 ggaactatggaacatcttcaagttgtggggtgagacaatgctctgtgtgattccgtgc 183

OY 224 ACATCATGAGACCTTACTGTGTGACCTTACCATATTTCTGAAAAACCCATGAATGGGAAG 283
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 184 acatcatgagacctgtgtgtgaccttaccatattctgaaaaaccatgaactgcgaag 243

OY 284 GGCTAGGAAGATTCTGCCGAGACAAATTACAGATTAGTTGGCCATACAAAGAGCGGA 343
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 244 ggctagaagattctgcccagacaattacacagattagtgtccatacaaaagaagcgga 303

OY 344 AATTAGATATCTGGAGAGACTCTGCCCTTCAGTGTCTTACTACTGTGATGGAATCCG 403
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 304 aattagatatctggaagactctgaccttcaagtcgttcttactactatgatagaatccg 363

OY 404 GAAGATAGAGGAATATGAGACGTGGTGGGAGCAACAATAATCTCAGTGAAGAAGAGCA 463
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Db 364 gaagatagaggaatatatggaagtgtgggaaccaacaatactctcacatgaagaagcgga 423

OY 464 GAAGTGGGAGATGTGTGAGCCCAACACAGAAGAAGAGAGAGAGTGGTGGAGATGTA 523
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Db 424 gaagtgggagatgtgtgagcccaacaagaagaagaagagagctgtgtgtgagatcta 483

OY 524 TATCAAGAGAAACAAGATGCGAGCAAAATGGAACGATGACGCTGCCAACAACCTAAAGCG 583
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Db 484 tatcaagagaacaagaatgcaagcaaaatggaacgatgacgctgtgccacaactaaagcg 543

OY 584 AGCCCTGTGTTACACAGCTTCTTGCCAGCCCGGTGATGACAGTGGCCAMGGAATGTGT 643
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Db 544 agccctgtgttacacagcttcttgccagccctgtgtcaatgcaatgtgcaatggaatgtgt 603

OY 644 AGAAATCATCAATAATCAACACCTGCACTGTGATGTGGGTACTATGGGCCCACTGTCA 703
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Db 604 agaatacatcaataataacacctgcaactgtgagtgtgtgtactatgtggccccagtgcca 663
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OY 704 GCTTGTGATTCAGTGTGAGACCTTGTGGAGGCCCCAGAGCTGGGTACCAATGACTGTACTCA 763
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Db 664 gtgtgtgattcagtgtagaccttcttggaagccccagagctggttaccatgagatgtactca 723

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Db 724 cctcttggaaaccttcagcttcagctcacagtgctccttcagctgtctctgaagaacaa 783

OY 824 CTTAACTGGGATTGGAAGAACACCGTGGAGCAATTTGGAAACCTGTATCTCCGAAGAC 883
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OY 884 AACCTGTCAAGTGAATTCAGTGTGAGCCTCTATACAGACACAGATTTGGGAGATCATGA 943
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OY 944 TAGCCATCCCTTGCGCCAGCTTTCAGCTTTAAGTGTGATGATGATGATGATGATGATG 1003
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Db 904 tagccatcccttgccagccttcagctttaaactctgcatgtaacttcaactctcagaaag 963

OY 1004 AACTGAGTTAATTGGGAGAGAAAGAAACCATTTGGAATCATCTGGAATCTGTGCAATGC 1063
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Db 964 aactgagttaatctgggaagaagaagaacacattgtgaaatcacctggaatctgccaatcc 1023

OY 1064 TAGTCAATATGTCAAAAATTGAGCAAAAAGTTTCTCAATGATTAAGAGGGTGAATTAA 1123
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Db 1024 tagtcaaatatgtcaaaaaattgagcaaaaagtttccatgattaaaggggtgtatataa 1083

OY 1124 CCCCTCTTCAATTCAGTGTGAGATGATGATGATGATGATGATGATGATGATGATGATG 1183
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Db 1084 cccctcttcaatctcagtgagcatgttactgtactctgtgtgtgtgtgtgtgtgtgtgt 1143

OY 1184 TTGGCTGCAAGAGATTTAAAAAAGCAAGAAATCCAAAGAGATGATGATGATGATGATG 1243
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Db 1144 ttggctgcaagagatcttgggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1203

OY 1244 TTTAAATGCGCCTTGTGTGAAGAAATTTCTGGAATTAATTAATTAATTAATTAATTA 1303
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Db 1204 ttaaatgcgcccttgtgtgaagaaatctcttggaattacttaaaatcaatgagtcctttaa 1263

OY 1304 TCCCTTCATGAAAGCTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1362
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Db 1284 tcccttcataagacgttctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 1323

OY 1363 TTCAGTGTGATGTGGGAATTTTACCCGACCAACAGTTCCTGAGCTTCCATTTCCGCC 1422
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Db 1324 ttcagtgtatctgggaagatttccacccagacaagcttccctcagcttccatctgcgcc 1383

OY 1423 CTCATTTATCCCTCAACCCCGACCCACAGGTGTTTATACAGCTTCTTTGTCTTTT 1482
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1384 ctcatltaaccctcaaccccgaccagctgttlaacagctcagcttcttcttctt 1443

OY 1483 CTGAGAGAAACAATAAGACCAT -AAGGGAAGAGATTCAATGATGATTAATAAGTGT 1541
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Db 1444 ctgagagaacaacaataagaccataaagaagatcagtggaatataaagaatgct 1503

OY 1542 GACTTGGCTCTTCTTGTGACTCTTGTGTTTCAATTCAGTCTCTACTTGTGATGACAG 1601
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Db 1504 gacttggctcttcttctgtactctgttttcaagttcaatcagctgtgtgtgtgtgtgtgt 1563

OY 1602 ACATCTTCAATGAAGTGAATTTGATACATATGTAATATGAGTCAAGTCTTCTTGTGA 1661
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Db 1564 acacttctaataatgagtaaatltgtatacatatgtgaataatgactcagcttcttctga 1623

OY 1662 GATCAAAATTTGAGTGTGCTCTGTATACGTGTGAGGTACACTTATTAAGATGTA 1721
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Db 1624 gatcaaatlttcaagtgcttctgtatataatgtggaatgataacttcatagaagaatltcaa 1683

OY 1722 AAGTCTAGGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1781
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1684 aagctcagctctctctcttcttcttaactcagtggaatgtgtgtgtgtgtgtgtgtgtgt 1743

OY 1782 AAGAGTCTCTATTTTCACTGTATGAGCTGCGCGCTGTGTGAATTTGACCATCTATTTAACTGG 1841
```

|||||  
Db 1744 aaggtcctatttgcaactgtagcctcgcgctgtaattgagaccatccatttaactg 1803  
Qy 1842 CTCACGACCTCCGACACTTCTTACGACCACTCTTTTCACTGGCTGACTTCACAC 1901  
Db 1804 cttaa-gcccccacactcttcagcacactctcttcttagtgcgtgacttccacac 1862  
Qy 1902 TAGCATCTCATGAGTGCAGCAAGCAAAAGAGAGAGAAATGAGCTGGCGGTTTTTT 1961  
Db 1863 tagcatctcatgagtcgcaagcaaaagagagagaaataagccgcgctgtcttctc 1922  
Qy 1962 AGTTGGGGGTTTTTGCTGTTTCCCTTTTATGAGACCCATTCCATTTCTTATGCAATGT 2021  
Db 1923 agcttgggggttctgcgtcttccctttagagaccatctcctattctttagcaatgt 1982  
Qy 2022 TTCTTTATACGATATTTATTATGTAAGAAAACATCACTGAATGCTGCTGCAAGTACA 2081  
Db 1983 tctcttatacagatatattagtaagaaaacatcacatgaaatgtagctgcaagtga 2042  
Qy 2082 TCTCTTGATGTGATATGAGAAAGAGTTAAACAGGTGAGAAATCTTGATTCACATGA 2141  
Db 2043 tctctttagatgataagtaagagtaaacaggtgagaaatctccttagtacaatga 2102  
Qy 2142 AATGCTCTCCTTCCCTGCCCCGACGACTTTATCC-ACCTACCTGATTTCTACATATT 2200  
Db 2103 aatgctctccttccctcgccccagacctttagcgaacttacttagatctacatatt 2162  
Qy 2201 CTTTAAATTTCACTCAGGCTCCCTCAACCCAC 2235  
Db 2163 cttaaatctcatctcagcgctccctcaaccacac 2197

RESULT 18  
US-09-760-475-377  
; Sequence 377, Application US/09760475  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT249  
; CURRENT APPLICATION NUMBER: US/09/760,475  
; PRIOR FILING DATE: 2001-01-16  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 4122  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 377  
; LENGTH: 2339  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (2286)  
; OTHER INFORMATION: n equals a,t,g, or c  
; NAME/KEY: SITE  
; LOCATION: (2320)  
; OTHER INFORMATION: n equals a,t,g, or c  
US-09-760-475-377

Query Match 92.7%; Score 2093.2; DB 30; Length 2339;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 2128; Conservative 3; Mismatches 6; Indels 3; Gaps 3;  
Qy 98 CAGAAAGACTTAGAAGAGCAAGCAAGCAAGCATATTTCCATGGAATGTGAGACAC 157  
Db 1 cagaagaaactagaagaagcaagcaagcaatgatatctccatggaatgtagagacac 60  
Qy 158 CCGAGAGGACTTATGGAACATCTTCAAGTTGTGGGGGTGACAATGCTGTGTGATTT 217  
Db 61 ccgaaggaactatagaaactcttcaaggtctgagggtgagaaatgctcgtgtgattc 120  
Qy 218 CCGGACATCATGGAACCTACTGCTGGACTTACCATTTATGAAAAACCATGAAGTG 277  
Db 121 ccgagacatcatggaacgcagctcgtgacttaccattatctcgaaaaaccatgaactg 180

Qy 278 GCAAAAGGCTAGAGATTTGCGAGCAATTACAGATTTAGTGGCATACAAAACA 337  
Db 181 gcaaaaggctagaagattctgcgcgaacaattacacgaattagctgcacatacaaaaca 240  
Qy 338 GCGGAAATTTAGATATCTGGAAGAGACTCTGCCCTTGAAGTCTTACTACTGAATAG 397  
Db 241 ggcggaatttagatattctggaagaactctgccttcaagtcgtcttcaactctgataag 300  
Qy 398 AATCCGAGATAGGAGGAATATGAGCTGGGTGGGAACCAAAATCTCTCACTGANA 457  
Db 301 aatccgaagaataaggaataltgacgtggtggaaccaacaacactctctyactgaga 360  
Qy 458 AGCAGAGACTCGGGGAGATGCTGAGCCCAACAACAAGAAAGAGAGAGCTCGTGA 517  
Db 361 agcagagaacttgggagatggttgagcccaacaagaagaacaggaagactgctgga 420  
Qy 518 GATCTATATCAGAGAAACAAGATGCAAGCAATGAGATGACCCCTGCCAACAAT 577  
Db 421 gatctatatacagaagaacaagaatgcaggaataatgaaatgacgcctgcacaaact 480  
Qy 578 AAAGGCAAGCCTCTGTTACACAGCTTCTGCGACCCCTGTCATGCAAGTGCCATGAGA 637  
Db 481 aaaggcagccctctgtacacagcttcttcagccctgtgcatgcaagtgcacatgaga 540  
Qy 638 ATGTGTAAATCATCATATATCACACTGCAACTGATGATGGGTAAATATGGGCCCA 697  
Db 541 atgtgtgaataatcatcataattacacctgaactgtgagtggtaactatagcccca 600  
Qy 698 GTGTACAGCTTGTGATTCAGTGTGAGCTTTGAGAGCCCAAGAGCTGGGTACATGAGACTG 757  
Db 601 gtgtcacgctgtgatactcaagtgtgagccttggagagcccaagagctggttaccatgagctg 660  
Qy 758 TACTACCCCTTTGGAAATTTACAGCTTCAGCTCAGCTGTGCTTGAAG 817  
Db 661 tactaccccttggaaactctcaagcttcaagctgcaagtgtgcttcagcgtctggaag 720  
Qy 818 AACAACTTAACTGAGATTAAGAAAGAAACCACTGTGACACTTTGGAATGCTATCTCC 877  
Db 721 aacaacttaactgtgattgaaagaaacacctgtgacccatttggaaactggtatcttc 780  
Qy 878 AGAACAACCTGTGCAATGATTCAGTGTGAGCTCTATCAGACACCAATTTGGGGATCAT 937  
Db 781 agaacaacctgtcaagtatgattcaggtgtgagcctctcaacgacgaatttggagatcat 840  
Qy 938 GAACGTAGGCAATCCCTGCGCACGCTTACGCTTACCTGATGATCATCTGCTC 997  
Db 841 gaactgtagcatcccttgcagcagcttcaagcttcaactctgcagtcatcctcatctgctc 900  
Qy 998 AGAAGGAACCTGATTAATTTGGGAAGAAAGAAACCATTTGGAATCATCTGATCTGCTC 1057  
Db 901 agaaggaactgtgttaatttgggaagaaacacatttggaaactctggaactctggtc 960  
Qy 1058 AAATCCATGTCATATGATGTAATAAATGGAACAAAGTTTCTCAATGATTAAGAGGCTGA 1117  
Db 961 aaatcccatgacataatgtaaaaaatggaacaaagtcttctcaatgttcaaggaagtgaa 1140  
Qy 1118 TTATTAACCCCTCTTCAATTCAGTGGAGTCAATGATTTCTGTGGTTGGCATT 1177  
Db 1021 ttataacccctcttcatctcagtgagcatgattgttaccgaattctctggttgcattc 1080  
Qy 1178 TATCATTTGGCTGGCAAGGATTAATAAAGCAAAATTCGAATGATGATGATGA 1237  
Db 1081 tatcatctgtctgcaaggaatgtaaaaaaggaagaaatccaaaggaagtatgaaatga 1140  
Qy 1238 CCATATTTAATGCGCCCTTGTGTGAAGAAATTTCTGGAATACATAAATCATGAGATTC 1297  
Db 1141 ccatatataatgcctctgtgtgaaagaaatctcttggatattcaaaaaatcatgagagctc 1200  
Qy 1298 TTTAATCTTCCATGAAACGTTTTGTGTGTGGACCTCTCACTGCAACATGAAGTGT 1357  
Db 1201 tttaaatctctcatgaaacgttttctgtgtgtggtgcacctctcctcagtcacaacatgaaagtgc 1260

QY	1358	G-TTCCCTCAGGACATCGGGAGACATTTTCACCGACCAACAGTCCCTCAGCTCCGAT	1410
Db	1261	gtttccctccagtgcacctcgggaagattctccacgcacagcttcccttcagctccat	1320
QY	1417	TCGCCCTCATTTATCCCTCAACCCCGACCCAGAGGTGTTTATACAGCTCAGCTTTTG	1478
Db	1321	tcgccctcatltaaccctcaacccccagccacagigtltatcacgtccagctcttgy	1380
QY	1477	TCCTTTCGAGAGACAAACAAATTAAGCCAT-AAGGGAAAGGATTCATGTGGAAATTAAG	1535
Db	1381	tccttcttcgaggagaaacaaataagacataaagggaagaaagtatcatytggaataaag	1440
QY	1536	ATGGCTGCATTTGGCTCTTCTTCTTGACCTCTGTGTTTCAAGTTCAATTCAGCGCTGACTTGA	1595
Db	1441	atgsgtgccttgctcttcttctctgcacctctgttcttcagttcaatcagtgctgcattga	1500
QY	1596	TGCACGACACTTCTTAATGAAGTGCAAATTTGATACATATGTGAATATGAGACTCAGTTT	1655
Db	1501	tgacagacactcttcaataatgaatgacaaattgtatacatatgtaalatgactcagttt	1560
QY	1656	CTTGACAGATCAAAATTTTACGCGCTTCCTGATACGTGAGAGTACGCTTAATGAAG	1715
Db	1561	cttgacagatacaattcaagtgcgtctctcgtataacgcgtygaggtacacacttataagaag	1620
QY	1716	TTCAAAAAGTCTACGCTCCTCTTCTTCTTAACCTCCAGTGAAGTAAGGGTCTGCTCA	1775
Db	1621	ttcaaaaagctacgctctctctcttcttcttaactccagtgaaatgagtggtctgcctca	1680
QY	1776	AGTTGAAAAGACTCCTATTTCACGTGACGCTCGCGCTGTAATGTGACACATCCTATT	1835
Db	1681	agttgaaaagagctcattctgcacgttagcctcgccgctgcgtgaaattgacatccattt	1740
QY	1836	AACTGGCTCAGGCGTCCGCCACCTCTTTCAGCCACCTCCTTTTCACTTGGCTGACTTC	1895
Db	1741	aactggtctca-gccttcccaactctcttaagcaacctctcttttcagttgctgcacttc	1799
QY	1896	CACACGTAGACATCTCAGTAAGTGGCCAGCAAAAAGAGAGAAAGACAAATACGCTGCGCG	1955
Db	1800	cacaccttagacatccatcagagtgccaagaagaagagaaagaaataagcctgcgtg	1859
QY	1956	TTTTTTTATGGTGGGGGTTTGGCTGCTTCCCTTTATGAGACCCATTCCTAATTTCTTAAGT	2015
Db	1860	ttttttagtttgggggttttgctgtcttcttataagagaccattctcatttcttaagtl	1919
QY	2016	CAATGTTCTTTTATACGATATTATTAGTAAGAAAACATCAGTAAATGCTAGCTGCAA	2075
Db	1920	caatgttctcttatacacgatatattatgtaagaacaatacactcaatgtcagctgcaa	1979
QY	2076	GTCGACATCTCTTTGATGTCTATTGAAAGGTTTAAACGGGTGGAGAAATTCCTGATTTCA	2135
Db	1980	gtgcacatctcttgaigtcatatygaaaggtttaaacaacgtygagaaatcttcgtattca	2039
QY	2136	CAATGAATGCTCTCTCTTCCCTCGCCCGACAGAACTTTTATCCATTACCTAGATTCTAC	2195
Db	2040	caatgaatatgctctctcttccctgcgcccgagmcttltatccacttaacctagttctac	2099
QY	2196	ATATCTTTAATTTATCATCGAGGCTCCCTCAACCCAC 2235	
Db	2100	atatctctttaaattcatctcaggtgctccctcaacccac 2139	

RESULT 19  
PCR-US92 -03970-1  
Sequence 1, Application PC/TUS9203970  
GENERAL INFORMATION:  
APPLICANT: Dana-Fabber Cancer Institute, Inc.  
TITLE OF INVENTION: LEUKOCYTE-ASSOCIATED CELL SURFACE  
TITLE OF INVENTION: PROTEIN  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes  
STREET: Ten Post Office Square  
CITY: Boston

STATE: Massachusetts  
COUNTRY: U.S.A.  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US92/03970  
FILING DATE: 19920513  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Heine, Holliday C.  
REGISTRATION NUMBER: 34,346  
REFERENCE/DOCKET NUMBER: PCT-152B99  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 542-2290  
TELEFAX: (617) 451-0313  
TELEX: 940675  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2330 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 53..1210  
PUBLICATION INFORMATION:  
DOCUMENT NUMBER: US 07/700,773  
FILING DATE: 15-MAY-1991  
PCT-US92-03970-1

Query Match	92.4%	Score 2087.6	DB 1	Length 2330
Best Local Similarity	98.5%	Pred. No. 0		
Matches 2161	Conservative	0	Mismatches 24	Indels 9
				Gaps 5
QY	44	CCCTTGGCCAGGACCTGAGACCCCTGTGCTAAAGTCAAGAGGCTCAATGGGCTGCAGAAG	103	
Db	7	CCCTTGGGCGAGGACCTGAGACCCCTGTGCTAAAGTCAAGAGGCTCAATGGGCTGCAGAAG	66	
QY	104	AACCTAGGAAGGACCAAGCAAGCCATCATATTTCATGGAAGTAAGTCAAGACCCAGAG	163	
Db	67	AACCTAGGAAGGACCAAGCAAGCCATCATATTTCATGGAAGTAAGTCAAGACCCAGAG	126	
QY	164	GGACCTTAGGAAACATCTTCAGTTGTGGGGGTGGACATGCTCTGTTGATTTTCCGTGAC	223	
Db	127	GGACCTTAGGAAACATCTTCAGTTGTGGGGGTGGACATGCTCTGTTGATTTTCCGTGAC	186	
QY	224	ACATCMTGGAACCTACTGCTGGACCTTACCATTATTTCGAAAAACCATTGAATCGGCAAG	283	
Db	187	ACATCMTGGAACCTACTGCTGGACCTTACCATTATTTCGAAAAACCATTGAATCGGCAAG	246	
QY	284	GGCTTAGAAGATTCGCGCAGACAATTACACAGATTAGTTAGTCCATACAAAACAAAGCGGA	343	
Db	247	GGCTTAGAAGATTCGCGCAGACAATTACACAGATTAGTTAGTCCATACAAAACAAAGCGGA	306	
QY	344	AATTGAGTCTCGGAGAGACCTCGCCCTTAGTCGTTCTTACTGAGTAGGAATCCG	403	
Db	307	AATTGAGTCTCGGAGAGACCTCGCCCTTAGTCGTTCTTACTGAGTAGGAATCCG	366	
QY	404	GAGGATAGGAGAAATAGGAGCTGGGTGGGAACCAAAATCTCTCACTGAAGAGACAGA	463	
Db	367	GAGGATAGGAGAAATAGGAGCTGGGTGGGAACCAAAATCTCTCACTGAAGAGACAGA	426	
QY	464	GAACTGGGGAAGTGGTGAAGCCCAACACAGAGAACAAAGGAGAGCTGGTGGAGATCTA	523	
Db	427	GAACTGGGGAAGTGGTGAAGCCCAACACAGAGAACAAAGGAGAGCTGGTGGAGATCTA	486	

QY 524 TATCAAGGAACAAGATGAGGCAATGAGATGACCGCTGCCCAAACTAAAGGC 583  
 DB 487 TATCAAGGAACAAGATGAGGCAATGAGATGACCGCTGCCCAAACTAAAGGC 546  
 QY 584 AGCCCTGTTTACACAGCTTCTTCCAGCCCTGGTCAATGAGGCAATGAGATGAT 643  
 DB 547 AGCCCTGTTTACACAGCTTCTTCCAGCCCTGGTCAATGAGGCAATGAGATGAT 606  
 QY 644 AGAATATCATATATACACACCTGCACTGATGATGGGCTACTATGGGCCCACTGCA 703  
 DB 607 AGAATATCATATATATACACACCTGCACTGATGATGGGCTACTATGGGCCCACTGCA 666  
 QY 704 GCTGTGATTCAGTGTGAGGCTTTGAGGCCCCAGAGCTGGGTACCAATGAGCTACTGCA 763  
 DB 667 GTTGTGATTCAGTGTGAGGCTTTGAGGCCCCAGAGCTGGGTACCAATGAGCTACTGCA 726  
 QY 764 CCCCTTTGGAACCTTCAGCTTCAGCTCAAGTGTGCTTCAGCTGCTCTGAGGAACAA 823  
 DB 727 CCCCTTTGGAACCTTCAGCTTCAGCTCAAGTGTGCTTCAGCTGCTCTGAGGAACAA 786  
 QY 824 CTTAATCTGGATTTGAGAAACACCTGTCACATTTGGAAATGCTCATCTCAGAAC 883  
 DB 787 CTTAATCTGGATTTGAGAAACACCTGTCACATTTGGAAATGCTCATCTCAGAAC 846  
 QY 884 AACCTGCAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 943  
 DB 847 AACCTGCAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 906  
 QY 944 TAGCCATCCCTGAGCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAG 1003  
 DB 907 TAGCCATCCCTGAGCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAGCTTCAG 966  
 QY 1004 AACTGAGTTAATTTGGGAGAAAGAAACCATTTTGAATCATCTGGAATCTGCTCAATCC 1063  
 DB 967 AACTGAGTTAATTTGGGAGAAAGAAACCATTTTGAATCATCTGGAATCTGCTCAATCC 1026  
 QY 1064 TAGCCATATATGCAAAATTTGACAAAGTTTCTCAATGATTTAAGGAGGATTTAATA 1123  
 DB 1027 TAGCCATATATGCAAAATTTGACAAAGTTTCTCAATGATTTAAGGAGGATTTAATA 1086  
 QY 1124 CCCCCCTTCATTCAGATGAGCAGTCAATGATGATGATGATGATGATGATGATGATGAT 1183  
 DB 1087 CCCCCCTTCATTCAGATGAGCAGTCAATGATGATGATGATGATGATGATGATGATGAT 1146  
 QY 1184 TTGCTGCGCAAGAGATTTAAAAAGCAGAAATCCAGAGAGATGATGATGATGATGATGAT 1243  
 DB 1147 TTGCTGCGCAAGAGATTTAAAAAGCAGAAATCCAGAGAGATGATGATGATGATGATGAT 1206  
 QY 1244 TTTAATGCCCCCTTGGAAGAAATTTCTGGAATGATGATGATGATGATGATGATGATGAT 1303  
 DB 1207 TTTAATGCCCCCTTGGAAGAAATTTCTGGAATGATGATGATGATGATGATGATGATGAT 1266  
 QY 1304 TCCCTTCATGAAAGCTTTTGT 1362  
 DB 1267 TCCCTTCATGAAAGCTTTTGT 1326  
 QY 1363 TTCAATGATGAGGAGATTTTCAACCGACCAAGTTCCTTCACTTCATTTCCGCC 1422  
 DB 1327 TTCAATGATGAGGAGATTTTCAACCGACCAAGTTCCTTCACTTCATTTCCGCC 1386  
 QY 1423 CTCATTTATCCCTCAACCCCGACCCAGGCTTTTATACAGCTCAGCTTTTCTCTTT 1482  
 DB 1387 CTCATTTATCCCTCAACCCCGACCCAGGCTTTTATACAGCTCAGCTTTTCTCTTT 1446  
 QY 1483 CTGAGGAGAAACAATTAAGACCAT -AAGGAGAAAGATTCATGGAATATTAAGATGCT 1541  
 DB 1447 CTGAGGAGAAACAATTAAGACCATTAAGGAGAAAGATTCATGGAATATTAAGATGCT 1506  
 QY 1542 GACTTTGCTCTTTCTGACTCTCTTTTCACTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1601  
 DB 1507 GACTTTGCTCTTTCTGACTCTCTTTTCACTTCATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1566

QY 1602 ACACCTTAATGAAGTCAATTTGATACATATGTGAATGAGCTGATTTTCTTCA 1661  
 DB 1567 ACACCTTAATGAAGTCAATTTGATACATATGTGAATGAGCTGATTTTCTTCA 1626  
 QY 1662 GATCAAAATTTGAGCTGCTCTTCTGATACCTGTGAGGATACCTTTATAGAAGTTCA 1721  
 DB 1627 GATCAAAATTTGAGCTGCTCTTCTGATACCTGTGAGGATACCTTTATAGAAGTTCA 1680  
 QY 1722 AAGCTACGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1781  
 DB 1681 AAGCTACGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1740  
 QY 1782 AAGCTACGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1841  
 DB 1741 AAGCTACGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1800  
 QY 1842 CTTGAGGCTCCCGACCTTCTTCAAGCCACTCTCTTTTCAAGTTGGCTGATTCACACC 1901  
 DB 1801 CTTGCA -GCCCTCCCGACCTTCTTCAAGCCACTCTCTTTTCAAGTTGGCTGATTCACACC 1859  
 QY 1902 TAGCATCTCATGATGCTGCAACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1961  
 DB 1860 TAGCATCTCATGATGCTGCAACCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1919  
 QY 1962 AGTTGGGGGTTTGGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2021  
 DB 1920 AGTTGGGGGTTTGGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1979  
 QY 2022 TTTCTTTATCAGATATTTATGTAAGAAACATCACTGAAATGCTAGCTGCAAGTGCA 2081  
 DB 1980 TTTCTTTATCAGATATTTATGTAAGAAACATCACTGAAATGCTAGCTGCAAGTGCA 2039  
 QY 2082 TCTCTTGATGCTATGTAAGAGAGTAAACAGAGTGAAGAAATTCCTTGATTCACATGA 2141  
 DB 2040 TCTCTTGATGCTATGTAAGAGAGTAAACAGAGTGAAGAAATTCCTTGATTCACATGA 2099  
 QY 2142 AATGCTGCTCTTCCCGGCCCCGAGAACTTTATGCACTGATGATGATGATGATGATGATGAT 2201  
 DB 2100 AATGCTGCTCTTCCCGGCCCCGAGAACTTTATGCACTGATGATGATGATGATGATGATGAT 2159  
 QY 2202 TTTAATTTCACTGAGGCTCTCCCTCAACCCAC 2235  
 DB 2160 TTTAATTTCACTGAGGCTCTCCCTCAACCCAC 2193  
 RESULT 20  
 PCT-US94-00909-1  
 : Sequence 1, Application PC/TUS9400909  
 : GENERAL INFORMATION:  
 : APPLICANT:  
 : TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS BLOCKING  
 : TITLE OF INVENTION: AGENTS FOR COMPONENT SELECTIN FUNCTION  
 : NUMBER OF SEQUENCES: 11  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : OPERATING SYSTEM: IBM PC compatible  
 : SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: PCT/US94/00909  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: US 08/008,459  
 : FILING DATE: 25-JAN-1993  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: US 07/983,606  
 : FILING DATE: 30-NOV-1992  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: US 07/962,483  
 : FILING DATE: 02-APR-1992  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: US 07/770,608  
 : FILING DATE: 03-OCT-1991  
 : PRIOR APPLICATION DATA:



QY 1782 AAGAGTCCTATTGTCAGTGTAGCCTGCGCCGCTGTGAAATGAGACATCTATTAACTGG 1841  
 DB 1741 AAGAGTCCTATTGTCAGTGTAGCCTGCGCCGCTGTGAAATGAGACATCTATTAACTGG 1800  
 QY 1842 CTTGAGGCTCTCCACCTTCTTTCAGCCACCTCTTTTTCAGTGGCTGACCTTCACACC 1901  
 DB 1801 CTTCA-GCCGCCACCTCTTTCAGCCACCTCTTTTTCAGTGGCTGACCTTCACACC 1859  
 QY 1902 TAGCATCTCATGATGCCAAGCAAAAGAGAGAAAGAGAAATGCTGCGCGCTTTT 1961  
 DB 1860 TAGCATCTCATGATGCCAAGCAAAAGAGAGAAATGCTGCGCGCTTTT 1919  
 QY 1962 AGTTGGGGGTTTGTGCTTCTTTTATGAGACCATCTTATTTCTTATGATCAATGT 2021  
 DB 1920 AGTTGGGGGTTTGTGCTTCTTTTATGAGACCATCTTATTTCTTATGATCAATGT 1979  
 QY 2022 TTTCTTTATCAGATATTATTATGTAAGAAAACATCACTGAATGCTAGCTCAAGTGA 2081  
 DB 1980 TTTCTTTATCAGATATTATTATGTAAGAAAACATCACTGAATGCTAGCTCAAGTGA 2039  
 QY 2082 TCTCTTTGATGTCAATATGGAAGAGTAAACAGGTGGAATTCCTTGATTCACATGA 2141  
 DB 2040 TCTCTTTGATGTCAATATGGAAGAGTAAACAGGTGGAATTCCTTGATTCACATGA 2099  
 QY 2142 AATGCTCTCTCTTCCCTGCGCCGAGAACTTTATCCACTAGCTAGATTCTACATATTC 2201  
 DB 2100 AATGCTCTCTCTTCCCTGCGCCGAGAACTTTATCCACTAGCTAGATTCTACATATTC 2159  
 QY 2202 TTTAAATTTTCATCTCAGGCGCTCCCTCAACCCAC 2235  
 DB 2160 TTTAAATTTTCATCTCAGGCGCTCCCTCAACCCAC 2193

RESULT 21  
 ; Sequence 1, Application US/08008459  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tedder, Thomas F.  
 ; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
 ; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
 ; NUMBER OF SEQUENCES: 11  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Weingarten, Schurjahn, Gagnebin & Hayes  
 ; STREET: Ten Post Office Square  
 ; CITY: Boston  
 ; STATE: MA  
 ; COUNTRY: USA  
 ; ZIP: 02109  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/008,459  
 ; FILING DATE: 25-JAN-1993  
 ; CLASSIFICATION: 514  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/983,606  
 ; FILING DATE: 30-NOV-1992  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/862,483  
 ; FILING DATE: 02-APR-1992  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/770,608  
 ; FILING DATE: 03-OCT-1991  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/737,092  
 ; FILING DATE: 29-JUL-1991  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/730,503  
 ; FILING DATE: 08-JUL-1991

; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/700,773  
 ; FILING DATE: 15-MAY-1991  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/313,109  
 ; FILING DATE: 21-FEB-1989  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Helne, Holliday C.  
 ; REGISTRATION NUMBER: 34,346  
 ; REFERENCE/DOCKET NUMBER: DECI-318XX  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (617) 542-2290  
 ; TELEFAX: (617) 451-0313  
 ; TELEX: 940675  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 2330 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA  
 ; HYPOTHEICAL: NO  
 ; ANTI-SENSE: NO  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: 53..1210  
 ; US-08-008-459-1

Query Match 92.4%; Score 2087.6; DB 4; Length 2330;  
 Best Local Similarity 98.5%; Pred. No. 0;  
 Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;

QY 44 CCGTTGGCAAGAGACCTGAGACCTTGTGCTAAGTCAAGAGCTCAATGGCTGCAGAG 103  
 DB 7 CCGTTGGCAAGAGACCTGAGACCTTGTGCTAAGTCAAGAGCTCAATGGCTGCAGAG 66  
 QY 104 AACTAGAGAGAGACCAAGCAAGCCATGATATTTCATGAGAAATGTCAGACACCCAGAG 163  
 DB 67 AACTAGAGAGAGACCAAGCAAGCCATGATATTTCATGAGAAATGTCAGACACCCAGAG 126  
 QY 164 GGACTTATGAGAACTTCAAGTGTGAGGGGTGAGCAATGCTGTGTGATTTCTGTCG 223  
 DB 127 GGACTTATGAGAACTTCAAGTGTGAGGGGTGAGCAATGCTGTGTGATTTCTGTCG 186  
 QY 224 ACATCATGGAACCTACTGCTGAGCTTACCATTTATTTGAAAAACCATGAACCTGGCAA 283  
 DB 187 ACATCATGGAACCTACTGCTGAGCTTACCATTTATTTGAAAAACCATGAACCTGGCAA 246  
 QY 284 GCGTGAAGATTTGCGCGAGCAATTTACAGAGATTTAGTCCATACAAAACAGCGGA 343  
 DB 247 GCGTGAAGATTTGCGCGAGCAATTTACAGAGATTTAGTCCATACAAAACAGCGGA 306  
 QY 344 AATTGAGTATCTGGGAAGACTTGCCCTTCAGTGTCTTACTAGTGGATGAGAAATCG 403  
 DB 307 AATTGAGTATCTGGGAAGACTTGCCCTTCAGTGTCTTACTAGTGGATGAGAAATCG 366  
 QY 404 GAAGATAGAGGAATATGAGAGCTGAGTGGGGAACCAAAATCTCTCACTGAAGAGAGA 463  
 DB 367 GAAGATAGAGGAATATGAGAGCTGAGTGGGGAACCAAAATCTCTCACTGAAGAGAGA 426  
 QY 464 GAAGTGGGAGATGTGAGCCCAACACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 523  
 DB 427 GAAGTGGGAGATGTGAGCCCAACACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 486  
 QY 524 TATCAAGAGAAACAAGATGAGGCAATGGAAGATGAGAGAGAGAGAGAGAGAGAGAGAG 583  
 DB 487 TATCAAGAGAAACAAGATGAGGCAATGGAAGATGAGAGAGAGAGAGAGAGAGAGAGAG 546  
 QY 584 AGCCCTGTGTACACAGCTTCTTGCAGACCTGTGTATGAGTGGAGAGAGAGAGAGAG 643  
 DB 547 AGCCCTGTGTACACAGCTTCTTGCAGACCTGTGTATGAGTGGAGAGAGAGAGAGAG 606



QY	644	AAAAATCATCAATATATCAACCTCGAATGTGATGTGGGGTACTATGAGCCCAAGTCA	703
Db	607	AAAAATCATCAATATATACACCTCGAAGTGTGGGGTACTATGAGCCCAAGTCA	666
QY	704	GCTGTGATTCAGTGTGAGCCCTTTGGAGGCCCCAGAGCTGGGTACCATGTGACTGTCTCA	763
Db	667	GTTTGTGATTCAGTGTGAGCCCTTTGGAGGCCCCAGAGCTGGGTACCATGTGACTGTCTCA	726
QY	764	CCCCCTTTGGAAACTTCACGCTTCAGCTCACAGTGTGCTTCAAGCTGCTCTGTAAGAAACAAA	823
Db	727	CCCCCTTTGGAAACTTCACGCTTCAGCTTCACAGTGTGCTTCAAGCTGCTCTGTAAGAAACAAA	786
QY	824	CTTAACTGGGATTTGAGAAACACCACTGTGGACCAATTTGGAAACGTGCATCTCCAGAAC	883
Db	787	CTTAACTGGGATTTGAGAAACACCACTGTGGACCAATTTGGAAACGTGCATCTCCAGAAC	846
QY	884	AACTGTCAAGTGAATTCAGTGTGAGCCTCTATACAGCACAGATTTGGGGATCATGAAGCTG	943
Db	847	AACTGTCAAGTGAATTCAGTGTGAGCCTCTATACAGCACAGATTTGGGGATCATGAAGCTG	906
QY	944	TAGCCATCCCTGGCCAGCTTCACCTTACTCTCGCATGTACCTTCACTGCTCACAAGG	1007
Db	907	TAGCCATCCCTGGCCAGCTTCACCTTACTCTCGCATGTACCTTCACTGCTCACAAGG	966
QY	1004	AACTGAGTTAATTTGGGAAAGAAACCAATTTGATCATCTGGAATCTGGCAATCTC	1065
Db	967	AACTGAGTTAATTTGGGAAAGAAACCAATTTGATCATCTGGAATCTGGCAATCTC	1024
QY	1064	TAGTCCAATATGTCAAAAATTTGGCAAAAGTTCTCANTGATTTAAGAGGGTGATTATTA	1122
Db	1027	TAGTCCAATATGTCAAAAATTTGGCAAAAGTTCTCANTGATTTAAGAGGGTGATTATTA	1086
QY	1124	CCCCCTCTTCAATTCAGGGGAGATCATGTGTACGCATCTCGGGTGGGCAATTAATCAT	1183
Db	1087	CCCCCTCTTCAATTCAGGGGAGATCATGTGTACGCATCTCGGGTGGGCAATTAATCAT	1144
QY	1184	TTGGCTGGCAAGAGATTTAAAAAAGGCAAAATCCAGAGAGATGAATGAACCCATA	1243
Db	1147	TTGGCTGGCAAGAGATTTAAAAAAGGCAAAATCCAGAGAGATGAATGAACCCATA	1206
QY	1244	TTAAATGGCCCTTGTGTAAAGAAAATCTTGGAAATCTATAAATCATGTAGATCTTTAA	1307
Db	1207	TTAAATGGCCCTTGTGTAAAGAAAATCTTGGAAATCTATAAATCATGTAGATCTTTAA	1266
QY	1304	TCTCTTCATGAAGAGTTTGTGTGTGTGGACCTCTACGTCAAACATGSAAGTGTG-TTCC	1365
Db	1267	TCTCTTCATGAAGAGTTTGTGTGTGTGGACCTCTACGTCAAACATGSAAGTGTGTTC	1322
QY	1363	TTCAGTGCATCTGGGAGAGATTTTACCCGACCAACAGTTCTTCAGCTTCCATTTTGCC	1422
Db	1327	TTCAGTGCATCTGGGAGAGATTTTACCCGACCAACAGTTCTTCAGCTTCCATTTTGCC	1386
QY	1423	CTCATTTATCCCTCAACCCCGACCCGACAGGTGTTATACACTCAGCTTTTGTCTTTT	1483
Db	1387	CTCATTTATCCCTCAACCCCGACCCGACAGGTGTTATACACTCAGCTTTTGTCTTTT	1446
QY	1483	CTGAGGAGAAACAAATTAAGACAT-TAAGGAAAGATTCATGTGNAATTAAGATGGCT	1541
Db	1447	CTGAGGAGAAACAAATTAAGACATTAAGGAAAGATTCATGTGNAATTAAGATGGCT	1506
QY	1542	GACTTTGCTCTTCTTGACTCTTGTTTTCAGTTTCATTCAGTCTGTACTTGATGACAG	1601
Db	1507	GACTTTGCTCTTCTTGACTCTTGTTTTCAGTTTCATTCAGTCTGTACTTGATGACAG	1566
QY	1602	ACACTTGAATGAAGGCAAAATTTGATCATATGTGATATGAGCACTCACTGTTCTGCA	1661
Db	1567	ACACTTGAATGAAGGCAAAATTTGATCATATGTGATATGAGCACTCACTGTTCTGCA	1626
QY	1662	GATCAAAATTTCAAGTGTCTTCTGTATGTACTGTGAGAGTACACTCTTATAGAAGTTCA	1721
Db	1627	GATCAAAATTTCAAGTGTGTCTGTGTATAC-GTGGAGGTACACTCT- - - -ATGAAGTCA	1680
QY	1722	AACTTACGCTCTCTTTCTTTCTAACTCACTGAAGTAAATGAGGGTCTGCTCAAGTTGA	1781

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Db      1681  |||
Qy      1782  AAGAGTCCTATTTGGACGTGAGGCTCGCCTGTGTGAATGAGCAATCCATTTAACTGG 1841
Db      1741  AAGAGTCCTATTTGGACGTGAGGCTCGCCTGTGTGAATGAGCAATCCATTTAACTGG 1801
Qy      1842  CTTGAGGCCCTCCCAACCTTCTTGACCACTCTCTTTTTCAGTTGGCTGACTTCCACAC 1901
Db      1801  CTTCAC-6CCCTCCCAACCTTCTTGACCACTCTCTTTTTCAGTTGGCTGACTTCCACAC 1851
Qy      1902  TAGCATCTCATGAGCGCCAAAGCAAAAGAGAGAAGAAATAGCCCTGCGGGTTTTT 1961
Db      1860  TAGCATCTCATGAGTGGCCAAACCAAAAGAGAGAAGAAATAGCCCTGCGGGTTTTT 1919
Qy      1962  AGTTGGGGGTTTTTGGCTTTTCCCTTTTATGAGACCCATTCCTATTTCTTAATGTCATGT 2021
Db      1920  AGTTGGGGGTTTTTGGCTTTTCCCTTTTATGAGACCCATTCCTATTTCTTAATGTCATGT 1979
Qy      2022  TTCTTTTATCACGATATTTATAGTAAAGAAACATCACTGAATGCTAGCTGCAAGTACA 2081
Db      1980  TTTCTTTTATCACGATATTTATAGTAAAGAAACATCACTGAATGCTAGCTGCAAGTACA 2039
Qy      2082  TCTCTTTGATGTCATGATGAGAAAGATTAAACAGAGTGAGAGAAATTCCTTATTCACAAATGA 2141
Db      2040  TCTCTTTGATGTCATGATGAGAAAGATTAAACAGAGTGAGAGAAATTCCTTATTCACAAATGA 2099
Qy      2142  AATGCTCTCTTTTCCCTGCCCCCAGAACTTTTATCCACTTACCTAGATTCATCATTTTC 2201
Db      2100  AATGCTCTCTTTTCCCTGCCCCCAGAACTTTTATCCACTTACCTAGATTCATCATTTTC 2159
Qy      2202  TTTAAATTTCACTGACGCGCTCCCTCAACCCGAC 2235
Db      2160  TTTAAATTTCACTGACGCGCTCCCTCAACCCGAC 2193

RESULT 22
US-08-340-539-1
; Sequence 1, Application US/08340539
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.
; APPLICANT: Kansas, Geoffrey S.
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
; STREET: Ten Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,539
; FILING DATE: 16-NOV-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/008,459
; FILING DATE: 25-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/983,606
; FILING DATE: 30-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/862,483
; FILING DATE: 02-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/770,608
; FILING DATE: 03-OCT-1991

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PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/737,092  
FILING DATE: 29-JUL-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/730,503  
FILING DATE: 08-JUL-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/700,773  
FILING DATE: 15-MAY-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/313,109  
FILING DATE: 21-FEB-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Heine, Holliday C.  
REGISTRATION NUMBER: 34,346  
REFERENCE/DOCKET NUMBER: DFCI-318XX  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 542-2290  
TELEFAX: (617) 451-0313  
TELEX: 940675  
INFORMATION FOR SEQ. ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2330 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 53..1210  
PUBLICATION INFORMATION:  
DOCUMENT NUMBER: US 07/700,773  
FILING DATE: 15-MAY-1991  
US-08-340-539-1

Query Match 92.4%; Score 2087.6; DB 7; Length 2330;

Best Local Similarly 98.5%; Pred. No. 0;  
Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;

QY 44 CCCCTTGGCAGAGACCTGAGACCTTGGCTAGTCAAGAGGCTCAATGGGCTGACAGAG 103  
DB 7 CCTTGGGCAAGACCTGAGACCTTGGCTAGTCAAGAGGCTCAATGGGCTGACAGAG 66  
QY 104 AACTAGAGAGAGCAAGCAAGCAAGCATATTTCCATGGAATGTGAGACCCAGAG 163  
DB 67 AACTAGAGAGAGCAAGCAAGCAAGCATATTTCCATGGAATGTGAGACCCAGAG 126  
QY 164 GGAATTATGGAACATCTTCAAGTTGTGGGGGTGACAAATGCTGTGTGATTTCTGGC 223  
DB 127 GGAATTATGGAACATCTTCAAGTTGTGGGGGTGACAAATGCTGTGTGATTTCTGGC 186  
QY 224 ACATCAGGAACCTACAGCTGAGTACTTACATTTATTTGAAAAAACCCTGAACCTGGCAAG 283  
DB 187 ACATCAGGAACCTACAGCTGAGTACTTACATTTATTTGAAAAAACCCTGAACCTGGCAAG 246  
QY 284 GGGTAGAGAGTTTGGCCGAGACATTTACAGAGATTTAGTTGCCATACAAAAACAAGGGGA 343  
DB 247 GGGTAGAGAGTTTGGCCGAGACATTTACAGAGATTTAGTTGCCATACAAAAACAAGGGGA 306  
QY 344 AATTGAGTATCTGAGAGAGACTTGCCTTTCAGTCTTCTTACTAGTGGATAGCAATCCG 403  
DB 307 AATTGAGTATCTGAGAGAGACTTGCCTTTCAGTCTTCTTACTAGTGGATAGCAATCCG 366  
QY 404 GAAGATGAGAGATATGAGAGCTGGGGTGGGAACCAACAATCTTCACTGTAAGAAGAGA 463  
DB 367 GAAGATGAGAGATATGAGAGCTGGGGTGGGAACCAACAATCTTCACTGTAAGAAGAGA 426  
QY 464 GAATGAGAGATGAGAGAGAGCAAGCAAGCAAGCAAGAGAGAGAGTCCGTGAGATCTA 523  
DB 427 GAATGAGAGATGAGAGAGAGCAAGCAAGCAAGCAAGAGAGAGAGTCCGTGAGATCTA 486

QY 524 TATCAAGGAAGAAAGATGACAGGCAATGGAAGATGACGCTGCCAACAAGTAAAGGC 583  
DB 487 TATCAAGGAAGAAAGATGACAGGCAATGGAAGATGACGCTGCCAACAAGTAAAGGC 546  
QY 584 AGCCCTGTGTACACAGCTTCTTCCAGCCCTGTGTCAGTGGCCCATGAGAGATGTGT 643  
DB 547 AGCCCTGTGTACACAGCTTCTTCCAGCCCTGTGTCAGTGGCCCATGAGAGATGTGT 606  
QY 644 AGAATCATCAATATATACACACCTGCAACCTGTGATGTGGGTACTATGTGGCCCACTGTCA 703  
DB 607 AGAATCATCAATATATATACACACCTGCAACCTGTGATGTGGGTACTATGTGGCCCACTGTCA 666  
QY 704 GCTGTGATTCAGTGTGAGCCTTTGGAGCCCGCCAGACCTGGTACCAATGAGCTGTACTCA 763  
DB 667 GTTGTGATTCAGTGTGAGCCTTTGGAGCCCGCCAGACCTGGTACCAATGAGCTGTACTCA 726  
QY 764 CCCCTTGGAAACCTTACAGCTTACAGTGTGAGCTTACAGTGTGAGCTTACAGTGTGAGCAAA 823  
DB 727 CCCCTTGGAAACCTTACAGCTTACAGTGTGAGCTTACAGTGTGAGCTTACAGTGTGAGCAAA 786  
QY 824 CTTAAGTGGGATGAGAAACACACCTGTGACCAATTTGGAACCTGTGATCTCCAGAAC 883  
DB 787 CTTAAGTGGGATGAGAAACACACCTGTGACCAATTTGGAACCTGTGATCTCCAGAAC 846  
QY 884 AACCTGTCAAGTATTCAGTGTGAGCCTTATTCAGCAACCAATTTGGGGATCATGAACTG 943  
DB 847 AACCTGTCAAGTATTCAGTGTGAGCCTTATTCAGCAACCAATTTGGGGATCATGAACTG 906  
QY 944 TAGCCATCCCTGAGCAGCTTACCTGTGATGATGATGATGATGATGATGATGATGATGAT 1003  
DB 907 TAGCCATCCCTGAGCAGCTTACCTGTGATGATGATGATGATGATGATGATGATGATGAT 966  
QY 1004 AACTGAGTTAATTTGGGAGAGAAACCAATTTGGAATCATCTGGAATCTGTGCAAAATCC 1063  
DB 967 AACTGAGTTAATTTGGGAGAGAAACCAATTTGGAATCATCTGGAATCTGTGCAAAATCC 1026  
QY 1064 TAGTCCATATATGCAAAATTTGGAGCAAAAGTTTCTCAATGATTAAGAGGCTGATTTAA 1123  
DB 1027 TAGTCCATATATGCAAAATTTGGAGCAAAAGTTTCTCAATGATTAAGAGGCTGATTTAA 1086  
QY 1124 CCCCCTCTTCAATTCAGTGTGAGTATGATGATGATGATGATGATGATGATGATGATGAT 1183  
DB 1087 CCCCCTCTTCAATTCAGTGTGAGTATGATGATGATGATGATGATGATGATGATGATGAT 1146  
QY 1184 TTGGCTGGCAAGAGATTTAAAAAAGGCAGAAATTCAGAGAGATGATGATGATGATGAT 1243  
DB 1147 TTGGCTGGCAAGAGATTTAAAAAAGGCAGAAATTCAGAGAGATGATGATGATGATGAT 1206  
QY 1244 TTAATGCGCCCTTGTGAGAGAAATTTCTTGATTAATAATCATGAGATCTTTTAA 1303  
DB 1207 TTAATGCGCCCTTGTGAGAGAAATTTCTTGATTAATAATCATGAGATCTTTTAA 1266  
QY 1304 TCCCTTCCATGAAGAGTTTGTGTGGTGGACCTCTGATGATGATGATGATGATGATGATGAT 1362  
DB 1267 TCCCTTCCATGAAGAGTTTGTGTGGTGGACCTCTGATGATGATGATGATGATGATGATGAT 1326  
QY 1363 TTCAATGATCTGGAAGATTTTACCCGACCAAGTTCCTTTCAGTTCATTTGCCCC 1422  
DB 1327 TTCAATGATCTGGAAGATTTTACCCGACCAAGTTCCTTTCAGTTCATTTGCCCC 1386  
QY 1423 CTCATTTATCCCTTCAACCCCGACAGGTTTATACAGTCTGAGTTCCTTTT 1482  
DB 1387 CTCATTTATCCCTTCAACCCCGACAGGTTTATACAGTCTGAGTTCCTTTT 1446  
QY 1483 CTGAGAGAAACAATTAAGACAT -AAGGGAAGAGATTCATGTAATTAAGATGGCT 1541  
DB 1447 CTGAGAGAAACAATTAAGACATTAAGAGAGAGATTCATGTAATTAAGATGGCT 1506  
QY 1542 GACTTTGCTCTTCTTCTGAGCTCTTCTTCTGATTCATTCAGTCTGTACTTGTATGACAG 1601  
DB 1507 GACTTTGCTCTTCTTCTGAGCTCTTCTTCTGATTCATTCAGTCTGTACTTGTATGACAG 1566

QY	1602	ACACCTTCGAATGAAGGCAAAATTTGGATACATATGGAAATGAGACTACGTTTCTTCA	1661
Db	1567	ACACCTTCGAATGAAGGCAAAATTTGGATACATATGGAAATGAGACTACGTTTCTTCA	1620
QY	1662	GATCAAAATTTACGTCGTCCTTTGATACTGTGGAGGTAACACTCTTATAGAAAATTCAA	1721
Db	1627	GATCAAAATTTACGTCGTCCTTTGATACTGTGGAGGTAACACTCTTATAGAAAATTCAA	1680
QY	1722	AAGCTTCAGCGCTCCCTTTCTTTCACTCAGAGAGTAATGGGGCTCGGCACAGTTGA	1781
Db	1681	AAGCTTCAGCGCTCCCTTTCTTTCACTCAGAGAGTAATGGGGCTCGGCACAGTTGA	1740
QY	1782	AAGAGTCCTATTTTGACACTGAGCCTGCGGCTGTGTAATTTGACCATCCTATTTAATCG	1841
Db	1741	AAGAGTCCTATTTTGACACTGAGCCTGCGGCTGTGTAATTTGACCATCCTATTTAATCG	1800
QY	1842	CTTAGAGGCTCCGCCACTCTTTTAGAGCACTCTCTTTTCAGTTGGCTGACTCCACACC	1901
Db	1801	CTTCA-CCGCTCCCACTCTTTTAGAGCACTCTCTTTTCAGTTGGCTGACTCCACACC	1859
QY	1902	TAGCATCTCATGAGTGGCAAGCAAAAAGGAGAGAGAAATATACCTGCGGGGTTTTT	1961
Db	1860	TAGCATCTCATGAGTGGCAAGCAAAAAGGAGAGAGAAATATACCTGCGGGGTTTTT	1919
QY	1962	AGTTTGGGGGTTTTCCTTTTATAGAACCATTCCTATTTCCTTAATAGTCAATGT	2021
Db	1920	AGTTTGGGGGTTTTCCTTTTATAGAACCATTCCTATTTCCTTAATAGTCAATGT	1979
QY	2022	TTCTTTATACCATATTATTACTAAGAAAACATCACTGAATTCGTACGTGAAGTACA	2081
Db	1980	TTCTTTATACCATATTATTACTAAGAAAACATCACTGAATTCGTACGTGAAGTACA	2039
QY	2082	TCCTTTGATGTCATATNGAAGAGTAAACAGAGTGAATTCCTTGATTCACAATGA	2141
Db	2040	TCCTTTGATGTCATATNGAAGAGTAAACAGAGTGAATTCCTTGATTCACAATGA	2099
QY	2142	AATGCTCTCTTTCCCTGCCCCAGAACCTTTTATCCACTTACCTAGATTCATATATTC	2201
Db	2100	AATGCTCTCTTTCCCTGCCCCAGAACCTTTTATCCACTTACCTAGATTCATATATTC	2159
QY	2202	TTTTAAATTTATCATCAGGCGCTCCCTCAACCCAC	2235
Db	2160	TTTTAAATTTATCATCAGGCGCTCCCTCAACCCAC	2193

RESULT 23  
 US-08-410-569-1  
 : Sequence 1, Application US/08410565  
 : GENERAL INFORMATION:  
 : APPLICANT: Tedder, Thomas F.  
 : APPLICANT: Spectli, Olivier G.  
 : TITLE OF INVENTION: LEUCOCYTE ADHESION MOLECULE-1 (LAM-1)  
 : TITLE OF INVENTION: AND LIGAND THEREOF  
 : NUMBER OF SEQUENCES: 11  
 : CORRESPONDENCE ADDRESS:  
 : ADDRESSEE: Weingarten, Schurigin, Gagnebin & Hayes  
 : STREET: Ten Post Office Square  
 : CITY: Boston  
 : STATE: MA  
 : COUNTRY: USA  
 : ZIP: 02109  
 :  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Floppy disk  
 : COMPUTER: IBM PC compatible  
 : OPERATING SYSTEM: PC-DOS/MS-DOS  
 : SOFTWARE: PatentIn Release #1.0, Version #1.25  
 :  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/08/410,569  
 :  
 : FILING DATE:  
 : CLASSIFICATION: 435  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: US 07/770,608  
 :  
 : FILING DATE: 03-OCT-1991

APPLICATION NUMBER: US 07/700,773  
 FILING DATE: 15-MAY-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Heine, Holliday C.  
 REGISTRATION NUMBER: 34,346  
 REFERENCE/DOCKET NUMBER: DFCG-152EX  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 542-2290  
 TELEFAX: (617) 451-0313  
 TELEX: 940675  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2330 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 53..1210  
 US-08-410-569-1

	Query Match	Best Local Similarity	Score	DB	Length
	92.4%;	98.5%;	2087.6;	8;	2330;
	Matches 2161;	Conservative	0;	Mismatches	24;
				Indels	9;
				Gaps	5;
QY	44	CCCTTTGCAAGGACCTGTAGACCCCTTGTGCTAAGTCAAGAGGCTCAATGGGCTGCAGAAAG	103		
DB	7	CCCTTTGGGCGAAGACCTGTAGACCCCTTGTGCTAAGTCAAGAGGCTCAATGGGCTGCAGAAAG	66		
QY	104	AACTAGGAAGAGCCCAAGCAAAAGCCATGATATTTTCCATGGAATGTACAGAGCCCAAGAG	163		
DB	67	AACTAGGAAGAGCCCAAGCAAAAGCCATGATATTTTCCATGGAATGTACAGAGCCCAAGAG	126		
QY	164	GGACCTATGGAACATCTTCAAGTTGTGGGGGCTGCACAATGCTCTGTTGTATTTCTGTGGC	223		
DB	127	GGACCTATGGAACATCTTCAAGTTGTGGGGGCTGCACAATGCTCTGTTGTATTTCTGTGGC	186		
QY	224	ACATCATGGAACCTACTGCTGTGACCTTACCATTATTTCTGAAAAACCCTATGAACTGGCAAG	283		
DB	187	ACATCATGGAACCGACTGCTGTGACCTTACCATTATTTCTGAAAAACCCTATGAACTGGCAAG	246		
QY	284	GGCTAGAGATTTGCGCGAGACAATTACACAGATTTAGTTGGCTATACAAAAACAAGCGGGA	343		
DB	247	GGCTAGAGATTTGCGCGAGACAATTACACAGATTTAGTTGGCTATACAAAAACAAGCGGGA	306		
QY	344	AATTGAGTATCTGGAGAAAGACTCTGCGCTTCAAGTGTCTTACTACTGATAGGAATCCG	403		
DB	307	AATTGAGTATCTGGAGAAAGACTCTGCGCTTCAAGTGTCTTACTACTGATAGGAATCCG	366		
QY	404	GAAGATAGAGGAAATTTGAGCTGGGGTGGGAACAACAATCTCTACTGAAAGACAGA	463		
DB	367	GAAGATAGAGGAAATTTGAGCTGGGGTGGGAACAACAATCTCTACTGAAAGACAGA	426		
QY	464	GAACCTGGGAGATGCTGAGCCCAACACAGAGAGACAGAGAGACTGCTGGAGATCTA	523		
DB	427	GAACCTGGGAGATGCTGAGCCCAACACAGAGAGAGACTGCTGGAGATCTA	486		
QY	524	TATCAGAGAGAAACAAAGATGCGAGGCAAAATGGAAGATGAGCGCTGGCCCAACAATTAAGGC	583		
DB	487	TATCAGAGAGAAACAAAGATGCGAGGCAAAATGGAAGATGAGCGCTGGCCCAACAATTAAGGC	546		
QY	584	AGGCCCTGTCTACAGAGCTTCTTGGCCACCCTGTGTCATGCAAGTGGCCATGGAGATGTGT	643		
DB	547	AGGCCCTGTCTACAGAGCTTCTTGGCCACCCTGTGTCATGCAAGTGGCCATGGAGATGTGT	606		
QY	644	AGAAATCATCATTAATTCACACCTGCAATGTGATGTGGGTACTATATGGGCCCAAGTGTCA	703		
DB	607	AGAAATCATCATTAATTCACACCTGCAATGTGATGTGGGTACTATATGGGCCCAAGTGTCA	666		





QY 1055 GTCAATCTAGTTCATATGTCATCAAAATGAGCAAAAGTTTCTCAATGATTAAGAGGG 1114  
|||||  
Db 481 gtcaatcctagtcacatattgcaaaaaatggacaaaaatgctccatgattgaaggagg 540  
QY 1115 TGATTATTAACCCCTCTTTCATTCAGTGGCAGTATGTTACTGTCATCTCTGGGTTGGC 1174  
|||||  
Db 541 tgattataacccctctctcatccagtcagtcagtcagtcagtcagtcagtcagtcagtcagtc 600  
QY 1175 ATTATATGATTTGGTGGCAGAGAGATTAATAAAAGCAAGAAATCCAAAGAAATATATGAA 1234  
|||||  
Db 601 attatcatcttgctggcgaaggagattaaaaaaggcaagaatcccaagaaatgaa 660  
QY 1235 TGACCCATATTAATCCCTCTTGGTGAAGAAATTTCTTGAATATCTAAATATATGAGA 1294  
|||||  
Db 661 tgaccatataaatacgcctctggtgaaagaataatcttgaaatacctaaataatgaga 720  
QY 1295 TCCCTTAATTCCTTCATGAAACGTTTGTGTGTCGACCTCTACGTCAACATGAAG 1354  
|||||  
Db 721 tcccttaatacctccatgaaagcttggtggtgacccctcctcagtcacaaatgaa 780  
QY 1355 TGTG-TTCCCTTCAATGATCTGGGAGATTTCTACCCGACCAACAGTTCTTCAAGCTTCC 1413  
|||||  
Db 781 tggcttccctcagtcagtcagtcagtcagtcagtcagtcagtcagtcagtcagtcagtc 840  
QY 1414 ATTTCGCCCTCATTTATTCCTCAACCCCGACGACAGGTATTAACAGCTCAGCTTT 1473  
|||||  
Db 841 atttcgcccccatattatccctcaaccccccaagtgattataacagtcagtc 900  
QY 1474 TTGTCTTTTCTGAGAGAAACAAATTAAGACAT-AAGGAAAGATTCATGATGATATA 1532  
|||||  
Db 901 ttgctcttccgagagagaaacaaataagacataaaggaaagatcatgctgaaatata 960  
QY 1533 AAGATGGCTGACTTGTCTTCTTGTGACTCTGTTTCACTTCAATTCAGTGTGACT 1592  
|||||  
Db 961 aagatggctgacttgcctctctctcctcctcctcctcctcctcctcctcctcctcctcct 1020  
QY 1593 TGAATGACGACACTTCTTAATGAAGTCAAAATTTGATATGATGATGATGATGATGAT 1652  
|||||  
Db 1021 tgatgacagacactcctcaatgaagtgcaaatctgatacatatgctgataatgagtcagtc 1080  
QY 1653 TTTCTTCAGATCAAAATTTCACTGCTCTCTGATATCTGATGATGATGATGATGATGAT 1712  
|||||  
Db 1081 ttctctcagagtcacaaattcagtcgctcctcctcctcctcctcctcctcctcctcctcct 1140  
QY 1713 AAGTTCAAAAAGTCTAGGCTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1772  
|||||  
Db 1141 aagttcaaaaagtcagtcgctcctcctcctcctcctcctcctcctcctcctcctcctcctc 1200  
QY 1773 TCAAGTGAAGAAAGTCTTATTTGACATGTAGCCCTGCGGCTGTGATTTGGACCATGCTTA 1832  
|||||  
Db 1201 tcaagttgaaagagtcctatttgcaactgtagcctcgccgctcgtgaaatlggaacataccta 1260  
QY 1833 TTTAACTGGCTTCAGGCTCCCACTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1892  
|||||  
Db 1261 tttaactggtctca-gcctcccaactcctcctcctcctcctcctcctcctcctcctcctcct 1319  
QY 1893 TTCCACACCTTAGCATCTCATGAGTGGCCAAAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1952  
|||||  
Db 1320 ttccacacccagagcattcctcctcctcctcctcctcctcctcctcctcctcctcctcctc 1379  
QY 1953 CGGTTTATGATTTGGGGGTTTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 2012  
|||||  
Db 1380 ctgcttctttagtttggtggttctgctcttccctcttcttcttcttcttcttcttcttct 1439  
QY 2013 AGTCAATGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 2072  
|||||  
Db 1440 agtcaaatgcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttct 1499  
QY 2073 CAAGTGCATCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2132  
|||||  
Db 1500 caagtgcacatctcttcttcttcttcttcttcttcttcttcttcttcttcttcttcttct 1559  
QY 2133 TCACAATGAATGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2192

Db 1560 tcacaatgaatagtcctccctccctccctccctccctccctccctccctccctccctccctcc 1619  
QY 2193 TACATATTTCTTAAATTTTCAATCTCAGGCTCTCCCTCAACCCAC 2235  
|||||  
Db 1620 tacatatctttaaattcattcattcattcattcattcattcattcattcattcattcattc 1662  
RESULT 26  
US-09-760-443-684  
? Sequence 684, Application US/09760443  
? GENERAL INFORMATION:  
? APPLICANT: Rosen et al.  
? TITLE OF INVENTION: Nucleic Acids, proteins, and Antibodies  
? FILE REFERENCE: PZ12  
? CURRENT APPLICATION NUMBER: US/09/760,443  
? CURRENT FILING DATE: 2001-01-16  
? Prior application data removed - refer to PALM or file wrapper  
? NUMBER OF SEQ ID NOS: 2164  
? SOFTWARE: PatentIn Ver. 2.0  
? SEQ ID NO 684  
? LENGTH: 1213  
? TYPE: DNA  
? ORGANISM: Homo sapiens  
? FEATURE:  
? NAME/KEY: SITE  
? LOCATION: (1114)  
? OTHER INFORMATION: n equals a,t,g, or c  
? NAME/KEY: SITE  
? LOCATION: (1121)  
? OTHER INFORMATION: n equals a,t,g, or c  
? NAME/KEY: SITE  
? LOCATION: (1142)  
? OTHER INFORMATION: n equals a,t,g, or c  
? NAME/KEY: SITE  
? LOCATION: (1157)  
? OTHER INFORMATION: n equals a,t,g, or c  
? NAME/KEY: SITE  
? LOCATION: (1182)  
? OTHER INFORMATION: n equals a,t,g, or c  
? US-09-760-443-684  
Query Match 49.5%; Score 1117.2; DB 30; Length 1213;  
Best Local Similarity 96.5%; Pred. No. 4; 8e-305;  
Matches 1171; Conservative 9; Mismatches 27; Indels 6; Gaps 4;  
QY 692 GCCCAGTGTACAGCTTGTGATTCAGTGTGAGCCCTTGGAGCCCGACAGCTGGGTACCAT 751  
|||||  
Db 1 gccccaagtgcaagcttgatcagtgatgagccttgagagccccaagctgggtacat 60  
QY 752 GGACTGTACTCACCCCTTTGGAAACCTTCAGCTTCAGCTCAGCTGCTCCTCCTCCTCCTC 811  
|||||  
Db 61 ggaactgtactcaaccccttggaacttcagcttcagctcagtgatgagccttcagctc 120  
QY 812 TGAAGGAACAACCTTACTCTGGGATTGAAGAAACCACTGCTGGACATTTGGAAACTGCTC 871  
|||||  
Db 121 tgaaggacaacacttaactgagtgatgaagaacacactgagacattggaactgagtc 180  
QY 872 ATCCAGAACCAACCTGTCAAGTGAATTCAGTGTGAGCCCTTATCAGCAGATTTGGG 931  
|||||  
Db 181 atcccaagacaacccctgcaagtgatcagtgatgagccttcacacagcagatggg 240  
QY 932 GATCATGAACCTGATGCCATCCCTGGCCAGCTTCAGCTTACTCTGATGATGATGATGATGAT 991  
|||||  
Db 241 gatcatgaactgtagcatccctggccagcttcagcttacccttcagtcagtcagtcagtc 300  
QY 992 CTGCTCAGAGGAACCTGATGATTAATTTGGGAGAGAAACCAATTTGTAATCATCTGGAAT 1051  
|||||  
Db 301 ctgctcagaaggaactgagtgatgaagaagaacacattgagtcacatctggaat 360  
QY 1052 CTGCTCAAACTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1111  
|||||











Query Match 45.8%; Score 1035; DB 30; Length 1298;  
Best Local Similarity 99.2%; Pred. NO. 1e-281;  
Matches 1049; Conservative 1; Mismatches 6; Indels 1; Gaps 1;

324 GCCATACAAAAGCGGAAATTGATGATCTGAGAGACTCTGCCCTTCAGTCTTCT 383  
390 ggcatacaaaacgaagcggaatctgagatctggaggaagactctgcttccatgcttc 449  
384 TACTACTGATAGAAATCCGAGATAGAGGAATATGAGCTGGGTGGGAACCAAAA 443  
450 tactactgataagatccggaagatagagaatataatgagctgggtgggaaccaaaa 509  
444 TCTCTCACTGAAGAAGCAGAGAACTGGGGAGATGCTGAGCCCAACAAAGAAACAAG 503  
510 tctctctactgaagaagcgagaactcgggagatgggtgagcccaaaaagaagaag 569  
504 GAGGACTCGTGGAGATATATATCAAGAGAAACAAAGATGACGAGAAATGGAACATGAC 563  
570 gagagactcgtggagatctatatacaagaagaacaaagatgcagcaaatgaaagatgac 629  
564 GCCTGCCACAAACTAAAGGACGCCCTCTGTTACACAGCTTCTGGCAGCCCTGTCATGC 623  
630 gccctgcacaactaaagaagcgcctctgttacaagcttcttgcagccctgtgcatagc 689  
624 AGTGGCCATGAGAAATGCTGTAATAATCATCAATATCACACTGCACTGTGATGGGG 683  
690 agtggccatggagaatgtgtgaataatcatcaatataacactgcgaactgtgattgggg 749  
684 TACTATGGGCCCCAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 743  
750 tactatgggccccagtgcaagctgtgagatcagtgagagcccttggagagccccagagctg 809  
744 GGTACCATGAGACTGACTACCCCTTTGGAAACTTCAGCTTCAGCTTCAGCTTCAGCTTC 803  
810 ggtaccatgagactgactaccaccttgggaaacttcagcttcagctcagctgtgaccttc 869  
804 AGCTGCTTGAGAGAACAACTTAATCTGGGATTGAGAAACCACTGTGGACCATTTGGA 863  
870 agctgctctgagaagaaacacttaactgtgaaagaaacacactgtggacccatttga 929  
864 AACTGTCATCTCCGAGAACCAACGTCGATGATGATGATGATGATGATGATGATGATGATG 923  
930 aactgctcatctccgaacaaacccgtcaagtgatcagtgtagccctctatccagcacca 989  
924 GATTGGGGATCATGAACCTGTAGCCATCCCTGGCCAGCTTCAGCTTACCTGTGCATGT 983  
990 gatttggggaatcatgaactgttagccatccctggccagcttcagcttactcttcagatgt 1049  
984 ACCTTCATCTGCTCAGAGAAGAACTGAGTTAATTGGGAAGAAAGAAACCATTTGTAATCA 1043  
1050 accttcactctgctcagaagagactgagtttaattgggaagaaacacatttgaatca 1109  
1044 TCTGGAATCTGGTCAAAATCTAGTCCAATATGTCAAA 1080  
1110 tctggaaatctggtcaaaatcttagtcacaatcgaatcgtcaaa 1146

RESULT 31  
US-09-760-443-575  
; Sequence 575, Application US/09760443  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: Pj212  
; CURRENT APPLICATION NUMBER: US/09/760,443  
; CURRENT FILING DATE: 2001-01-16  
; Prior application data removed - refer to PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 2164  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 575  
; LENGTH: 1298  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-760-443-575

Query Match 45.8%; Score 1035; DB 30; Length 1298;  
Best Local Similarity 99.2%; Pred. NO. 1e-281;  
Matches 1049; Conservative 1; Mismatches 6; Indels 1; Gaps 1;

25 ACCTGCACACGACGACTCCCTTT-GGCAAGACCTGAGACCCCTTGTCTAAGTCAAGA 83  
90 acctgcacacgacgactcccttggcaagagactctgagaccttgcataagtcagaaga 149  
84 GGCTCAATGCGGTGCAGAAAGAACTAGAGAGGACCAAGCAAAAGCATATTTCCATGG 143  
150 ggctcaatggggtgcagaaagaaactagagagagacccaagcaaacatgataltccatgg 209  
144 AAATGTACAGACCCCAAGGAGACTTATGAAACATCTTCAAGTTGTGGGGGAGCAATG 203  
210 aaatgtacagaccccaaggagacttatgaaacatcttcaagctgtgggtgagcaatg 269  
204 CTCTGTGTGATTTCTGCGACATCATGGAACCTACCTGTGAGCTTACCATTTATTCGAA 263  
270 ctctgtgtgatttctcgtcgacatcatggaacgcgtctggaacttaccatattctgaa 329  
264 AAACCATGAACTGGCAAAAGGCTTAGAAGATTCTCCAGACAAATTCACAGATTTAATT 323  
330 aaaccatgaactggcaaaaggcttagaagattctccagacaaattacacagatttaagt 389  
324 GCCATACAAAACAAAGCGGAAATTGATGATGATGATGATGATGATGATGATGATGATG 383  
390 gccatatacaaaacgaagcggaatctgagatctcgaggaagactcgccttcaagctgttc 449  
384 TACTACTGATAGAAATCCGAGATAGAGGAATATGAGAGTGGGTGGGAACCAAAA 443  
450 tactactgataagatcccggaagatagaggaatataatgagctgggtgggaaccaaaaa 509  
444 TCTCTCACTGAAGAAGCAGAGAACTGGGGAGATGCTGAGCCCAACACAAAGAAACAAG 503  
510 tctctctactgaagaagcgagaactgggagatggtgagcccaacacaaagaagaagaag 569  
504 GAGGACTCGTGGAGATCATATATCAAGAGAAAGATGACGGAATGGAAGCATGATAC 563  
570 gaggaactcgtggagatcatatatacaagaagaacaaagatgcaggaaatgaaacgtac 629  
564 GCCTGCCACAAACTAAAGGACGCCCTCTGTTACACAGCTTCTTGGCAGCCCTGTGATCAGC 623  
630 gccctgcacaactaaagaagcagccctctgttaacaagcttcttgcagccctgtgcatagc 689  
624 AGTGGCCATGAGAAATGCTGTGAAATCATCAATATTCACACTGCACTGTGATGGGG 683  
690 agtggccatggagaatgtgtgaatcatcaatataacactgcgaactgtgattgggg 749  
684 TACTATGGGCCCCAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 743  
750 tactatgggccccagtgcaagctgtgagatcagtgagagcccttggagagccccagagctg 809  
744 GGTACCATGAGACTGACTACCCCTTTGGAAACTTCAGCTTCAGCTTCAGCTTCAGCTTC 803  
810 ggtaccatgagactgactaccaccttgggaaacttcagcttcagctcagctgtgaccttc 869  
804 AGCTGCTTGAGAGAACAACTTAATCTGGGATTGAGAAACCACTGTGGACCATTTGGA 863  
870 agctgctctgagaagaaacacttaactgtgaaagaaacacactgtggacccatttga 929  
864 AACTGTCATCTCCGAGAACCAACGTCGATGATGATGATGATGATGATGATGATGATGATG 923  
930 aactgctcatctccgaacaaacccgtcaagtgatcagtgtagccctctatccagcacca 989  
924 GATTGGGGATCATGAACCTGTAGCCATCCCTGGCCAGCTTCAGCTTACCTGTGCATGT 983  
990 gatttggggaatcatgaactgttagccatccctggccagcttcagcttactcttcagatgt 1049  
984 ACCTTCATCTGCTCAGAGAAGAACTGAGTTAATTGGGAAGAAAGAAACCATTTGTAATCA 1043  
1050 accttcactctgctcagaagagactgagtttaattgggaagaaacacatttgaatca 1109  
1044 TCTGGAATCTGGTCAAAATCTAGTCCAATATGTCAAA 1080

Db 1110 tcttggaatctggtcaatctcagtcacatattgcaaa 1146

|||||

RESULT 32

US-60-212-659-816

Sequence 816, Application US/60212659

GENERAL INFORMATION:

APPLICANT: Beasley, Ellen

TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS, AND

TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND

TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: C100674

CURRENT APPLICATION NUMBER: US/60/212,659

CURRENT FILING DATE: 2000-06-19

NUMBER OF SEQ ID NOS: 879

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 816

LENGTH: 3238

TYPE: DNA

ORGANISM: HUMAN

US-60-212-659-816

Query Match 44.6%; Score 1006.4; DB 60; Length 3238;

Best Local Similarity 98.9%; Pred. No. 2.3e-273;

Matches 1013; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 213 GATTTCCTGGCAGCATCATGGAACCTTACTGCTGGAGCTTACCATTTATCTGAAAAACCATG 272

|||||

Db 1832 gatttcctgacacatcatggaacgactgctggaacttaccatattctgaaaaaccatg 1891

QY 273 AACTGGCAAGGCGCTGAGGATCTGCCGACATTTACACATTTAGTTGGCATACAA 332

|||||

Db 1892 aactggcaaggcgctgagagatctgcgcgagacattacacagattgagttgcacaa 1951

QY 333 AACCAAGCGGAATGAGTATCTGAGAAAGACTCTGCCCTTCAGTGTCTTACTACTG 392

|||||

Db 1952 aacaagcggaattgagatctcgcggaagacctgccttcaagtcgttactactg 2011

QY 393 ATAGGAATCCGAGATPAGAGGAAATATGACCTGGGTGGAAACCAAAATCTCTACT 452

|||||

Db 2012 ataggaatccggaagatagagaaatattgacgttggtggaaccaaatcttact 2071

QY 453 GAAGAAGCGAGAACTGGGAGATGGTGAAGCCCAACAAGAAAGAAACAAGAGACTGC 512

|||||

Db 2072 gaagaagcgagaaactggtggaatgagtgagcccaacaagaagaagaagagactgc 2131

QY 513 GTGAGATCTATATCAAGAGAAACAAGATGACGCAAAATGAAAGATGAGCGCTGCAC 572

|||||

Db 2132 gtggaatctatatcaagaagaacaagatgcagcaaatggaacgattgacgtccac 2191

QY 573 AAACCTAAAGGACCCCTCTGTGTACACAGCTTCTTCCAGCCCTGGTTCATCATGGCAT 632

|||||

Db 2192 aaactaaagcagccctctgttacacagcttctgcagccctgtaacatgacgtgcac 2251

QY 633 GGAGATGTGTAAATATCAATTAATCAACCTGCAACCTGATGTGGGTGCTACTATGG 692

|||||

Db 2252 ggaagatggtgaataatcaatcaataatcaactgcacgtgatgtggtgtactatg 2311

QY 693 CCCAGTGTACGCTTGTGATTCAGTGTGAGCTTTTGGAGGCCCAAGAGCTGGGTACCATG 752

|||||

Db 2312 cccagtgctacgcttgatgattcagtgagccttggaagcccaagcggtgtacacatg 2371

QY 753 GACTGACTACGCCCTTTGGAACCTCAGCTTACGCTCAAGTGTGCTCAGTGTCTCT 812

|||||

Db 2372 gactgactacgcccttctggaactcagcttcacagctgagcttcacagctgcctc 2431

QY 813 GAAGAACAACTTAACTGGGATGGAAGAAACCAACCTGTGGACATTTGGAACCTGTCA 872

|||||

Db 2432 gaaggaacaacttaactggtattgaaagaacaacctggtaccatttggaactgttca 2491

QY 873 TCTCCAGAACCAACTGTCAAGTGATTCAGTGTGAGCCCTTATTCAGCACCAAGATTTGGG 932

Db 2492 tctccagaaccaacctgtaagtgtacagtgtagcccttactcagaccagattg999 2551

|||||

QY 933 ATCATGACTGTAGCCATCCCTGGCCAGCTTCAGCTTACTCTGCACTGACCTTCATC 992

|||||

Db 2552 atcatgactgttagccatcccttgcgcagcttcacagcttcctctgcatgtaaccttca 2611

QY 993 TGCTCAGAGGAACGTGATTAATTTGGGAAGAAACCAATTTGGAATCATCTGGAATC 1052

|||||

Db 2612 tgcctcagaaggaactgagtaatttggaagaagaacaacatttggaatcactggaatc 2671

QY 1053 TGCTCAATCTCAGTCCAAATATGTCAAAAATTGGACAAAAGTTTCTCAATTAAGAG 1112

|||||

Db 2672 tgcctcagaaggaactgagtaatttggaagaagaacaacatttggaatcactggaatc 2731

QY 1113 GGTGATTAATACCCCTCTTCATTCAGTGGCAGTCAATGTTACTGTCATCTCTGGGTTG 1172

|||||

Db 2732 ggtgattataacccccctctcattcagtggaagtaagttactgcatctcttggttg 2791

QY 1173 GCATTTATCATTTGGCTGGCAAGAGATTAATAAAGCCAGCAAAATCCAAAGAAATATG 1232

|||||

Db 2792 gcatattatatttgctgagcaaggaattataaaaaagcaagaataatccagaagaag999 2851

QY 1233 AATG 1236

||

Db 2852 ggtg 2855

RESULT 33

US-09-543-679A-2480/C

Sequence 2480, Application US/09543679A

GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.

TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,

COMPOSITIONS, KIT & METHOD FOR TREATMENT

OF AIRWAY DISORDERS ASSOCIATED WITH

BRONCHOCONSTRICION, LONG INFLAMMATION,

NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESS:

ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.

STREET: 7 Clarke Drive

CITY: Cranbury

STATE: NJ

COUNTRY: USA

ZIP: 08512

COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: N/A

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A

FILING DATE: 13-Apr-2000

CLASSIFICATION: UNKNOWN

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958

FILING DATE: 1998-08-03

ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana

REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b

TELECOMMUNICATION INFORMATION:

TELEPHONE: 609-409-3035

TELEFAX: 413-254-9245

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 2480:

SEQUENCE CHARACTERISTICS:

LENGTH: 141589 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 2480:

US-09-543-679A-2480

Query Match 42.9%; Score 970.2; DB 21; Length 141589;  
 Best Local Similarity 99.4%; Pred. No. 3.8e-262;  
 Matches 1005; Conservative 0; Mismatches 3; Indels 3; Gaps 3;

QY 1227 AGTATGAATGACCATATTAATGAGCCCTGGTGAAGAAAAATCTTGGAATACTAAAA 1286  
 |||||  
 Db 20429 AGATGAATGACCATATTAATGAGCCCTGGTGAAGAAAAATCTTGGAATACTAAAA 20370

QY 1287 TCATGAGATCCTTTAAATCCCTCCATGAAAGCTTTGTGTGGGACCTCTCACTCAA 1346  
 |||||  
 Db 20369 TCATGAGATCCTTTAAATCCCTCCATGAAAGCTTTGTGTGGGACCTCTCACTCAA 20310

QY 1347 ACATGAAGTGTG-TTCCTTCAGTGCATCTGGGAAGATTTCTACCCGACCAAGTCTCTT 1405  
 |||||  
 Db 20309 ACATGAAGTGTGTTCTTCAGTGCATCTGGGAAGATTTCTACCTGACCAAGTCTCTT 20250

QY 1406 CAGCTTCATTTGGCCCTCATTTATCCCTCAACCCCGCCAGCCAGGTGTTATACAGC 1465  
 |||||  
 Db 20249 CAGCTTCATTTGGCCCTCATTTATCCCTCAACCCCGCCAGCCAGGTGTTATACAGC 20190

QY 1466 TCAGCTTTTGTCTTTCTGAGGAGAAACAATTAAGACAT-AAAGGAAAGGATTTCATGT 1524  
 |||||  
 Db 20189 TCAGCTTTTGTCTTTCTGAGGAGAAACAATTAAGACATAAAGGAAAGGATTTCATGT 20130

QY 1525 GGAATATTAAGATGCGTGCATTTGCTCTTCTTCTGACTCTTGTTCAGTTTCAATTGACT 1584  
 |||||  
 Db 20129 GGAATATTAAGATGCGTGCATTTGCTCTTCTTCTGACTCTTGTTCAGTTTCAATTGACT 20070

QY 1585 GCATGACTTGTGACAGACACTTCTAAATGAAGGCAAAATTTGATACATATGTAATATG 1644  
 |||||  
 Db 20069 GCATGACTTGTGACAGACACTTCTAAATGAAGGCAAAATTTGATACATATGTAATATG 20010

QY 1645 GACTCAGTTTCTTGAGATCAAAATTCACGTCTCTTCTGTATATCTGTGAGGTACACT 1704  
 |||||  
 Db 20009 GACTCAGTTTCTTGAGATCAAAATTCACGTCTCTTCTGTATATCTGTGAGGTACACT 19950

QY 1705 CTTATGAAAGTTCAAAAATCTACGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1764  
 |||||  
 Db 19949 CTTATGAAAGTTCAAAAATCTACGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 19890

QY 1765 GGTCTGCTGCAAGTGAAGAGTCTTATTTGCACTGTAGCCTGCGCTGTGTAATGGA 1824  
 |||||  
 Db 19889 GGTCTGCTGCAAGTGAAGAGTCTTATTTGCACTGTAGCCTGCGCTGTGTAATGGA 19830

QY 1825 CCATCCCTATTTAACTGCTTCAGGCGCTCCACACTTCTTCAGCCACCTCTCTTTTCAGT 1884  
 |||||  
 Db 19829 CCATCCCTATTTAACTGCTTCAGGCGCTCCACACTTCTTCAGCCACCTCTCTTTTCAGT 19771

QY 1885 TGGCTGACTTCCACACTTACATCTCATGTGTCGAAGCAAAAGAGAGAGAGAGAAAT 1944  
 |||||  
 Db 19770 TGGCTGACTTCCACACTTACATCTCATGTGTCGAAGCAAAAGAGAGAGAGAGAAAT 19711

QY 1945 AGCTGCGCGGTTTTTATGTTGGGGTTTTGCTGTTCTCTTTTATGAGACCACTTCTTA 2004  
 |||||  
 Db 19710 AGCTGCGCGGTTTTTATGTTGGGGTTTTGCTGTTCTCTTTTATGAGACCACTTCTTA 19651

QY 2005 TTTCTTATAGTCAATGTTCTTTTATCAGATATTTATTAAGAAAAACATCACTGAAT 2064  
 |||||  
 Db 19650 TTTCTTATAGTCAATGTTCTTTTATCAGATATTTATTAAGAAAAACATCACTGAAT 19591

QY 2065 GCTAGCTGCAAGTACATCTCTTTGATGTATATGAAGAGTTTAAACAGGTGAGAAAT 2124  
 |||||  
 Db 19590 GCTAGCTGCAAGTACATCTCTTTGATGTATATGAAGAGTTTAAACAGGTGAGAAAT 19531

QY 2125 TCCCTTGATTCACATGAAATGCTCTCTTCCCTGCGCCAGAGACTTTATCCACTTAC 2184  
 |||||  
 Db 19530 TCCCTTGATTCACATGAAATGCTCTCTTCCCTGCGCCAGAGACTTTTATCCACTTAC 19471

QY 2185 CTAGATTTCTACATATTTCTTAAATTTTCATCTCAGGCGCTCCCTCAACCCAC 2235  
 |||||  
 Db 19470 CTAGATTTCTACATATTTCTTAAATTTTCATCTCAGGCGCTCCCTCAACCCAC 19420

RESULT 34  
 US-09-543-679A-2694/C  
 ? Sequence 2694, Application US/09543679A  
 ? GENERAL INFORMATION:  
 ? APPLICANT: NYCE, Jonathan W.  
 ? TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,  
 ? COMPOSITIONS, KIT & METHOD FOR TREATMENT  
 ? OF AIRWAY DISORDERS ASSOCIATED WITH  
 ? BRONCHOCONSTRICTION, LUNG INFLAMMATION,  
 ?  
 ? NUMBER OF SEQUENCES: 3111  
 ? CORRESPONDENCE ADDRESS:  
 ? ADDRESSEE: EPIDEMIS PHARMACEUTICALS, INC.  
 ? STREET: 7 Clarke Drive  
 ? CITY: Cranbury  
 ? STATE: NJ  
 ? COUNTRY: USA  
 ? ZIP: 08512  
 ?  
 ? COMPUTER READABLE FORM:  
 ? MEDIUM TYPE: CD-R  
 ? COMPUTER: IBM Compatible  
 ? OPERATING SYSTEM: DOS  
 ? SOFTWARE: N/A  
 ?  
 ? CURRENT APPLICATION DATA:  
 ? APPLICATION NUMBER: US/09/543,679A  
 ? FILING DATE: 13-Apr-2000  
 ? CLASSIFICATION: UNKNOWN  
 ? PRIOR APPLICATION DATA:  
 ? APPLICATION NUMBER: 60/127,958  
 ? FILING DATE: 1998-08-03  
 ?  
 ? ATTORNEY/AGENT INFORMATION:  
 ? NAME: Amzel, Viviana  
 ? REGISTRATION NUMBER: 30,930  
 ? REFERENCE/DOCKET NUMBER: EPI-0067191b  
 ? TELECOMMUNICATION INFORMATION:  
 ? TELEPHONE: 609-409-3035  
 ?  
 ? TELEFAX: 413-254-9245  
 ?  
 ? INFORMATION FOR SEQ ID NO: 2694:  
 ? SEQUENCE CHARACTERISTICS:  
 ? LENGTH: 141589 base pairs  
 ? TYPE: nucleic acid  
 ? STRANDEDNESS: single  
 ? TOPOLOGY: linear  
 ?  
 ? US-09-543-679A-2694  
 ? SEQUENCE DESCRIPTION: SEQ ID NO: 2694

Query Match 42.9%; Score 970.2; DB 21; Length 141589;  
 Best Local Similarity 99.4%; Pred. No. 3.8e-262;  
 Matches 1005; Conservative 0; Mismatches 3; Indels 3; Gaps 3;

QY 1227 AGTATGAATGACCATATTAATGAGCCCTGGTGAAGAAAAATCTTGGAATACTAAAA 1286  
 |||||  
 Db 20429 AGTATGAATGACCATATTAATGAGCCCTGGTGAAGAAAAATCTTGGAATACTAAAA 20370

QY 1287 TCATGAGATCCTTTAAATCCCTCCATGAAAGCTTTGTGTGGGACCTCTCACTCAA 1346  
 |||||  
 Db 20369 TCATGAGATCCTTTAAATCCCTCCATGAAAGCTTTGTGTGGGACCTCTCACTCAA 20310

QY 1347 ACATGAAGTGTG-TTCCTTCAGTGCATCTGGGAAGATTTCTACCCGACCAAGTCTCTT 1405  
 |||||  
 Db 20309 ACATGAAGTGTGTTCTTCAGTGCATCTGGGAAGATTTCTACCTGACCAAGTCTCTT 20250

QY 1406 CAGCTTCATTTGGCCCTCATTTATCCCTCAACCCCGCCAGCCAGGTGTTATACAGC 1465  
 |||||  
 Db 20249 CAGCTTCATTTGGCCCTCATTTATCCCTCAACCCCGCCAGCCAGGTGTTATACAGC 20190

QY 1466 TCAGCTTTTGTCTTTCTGAGGAGAAACAATTAAGACAT-AAAGGAAAGGATTTCATGT 1524  
 |||||  
 Db 20189 TCAGCTTTTGTCTTTCTGAGGAGAAACAATTAAGACATAAAGGAAAGGATTTCATGT 20130



Db 19770 TGGCTGACCTTCACACCTAGCATCTCATGATGCCAACGAGAGAGAGAAAT 19711  
QY 1945 AGCCGCGCGGTTTTTTAGTTGGGGGTTTGGCTTCTTCTTTATGAGACCATTCCTA 2004  
Db 19710 AGCCTGCGCTTTTATTTAGTTGGGGGTTTGGCTTCTTCTTTATGAGACCATTCCTA 19651  
QY 2005 TTTCTTATAGTCAATGTTTCTTTATATCAGATATTTATAGTAAACATCATGAAAT 2064  
Db 19650 TTTCTTATAGTCAATGTTTCTTTATATCAGATATTTATAGTAAACATCATGAAAT 19591  
QY 2065 GCTAGCTGCAAGTGCATCTCTTTGATGTCAATGGAAGAGTTAAACAGTGGAGAAAT 2124  
Db 19590 GCTAGCTGCAAGTGCATCTCTTTGATGTCAATGGAAGAGTTAAACAGTGGAGAAAT 19531  
QY 2125 TCCCTGATTCACAAATGATGCTGCTTCCCTGCGCCGCGAGACTTTATCCACTTAC 2184  
Db 19530 TCCCTGATTCACAAATGATGCTGCTTCCCTGCGCCGCGAGACTTTATCCACTTAC 19471  
QY 2185 CTAGATTTACATATTTCTTTAAATTTTCATCTCAGGCTCCTCCACACCCAC 2235  
Db 19470 CTAGATTTACATATTTCTTTAAATTTTCATCTCAGGCTCCTCCACACCCAC 19420

## RESULT 36

US-09-543-679A-3009/c  
Sequence 3009, Application US/09543679A

## GENERAL INFORMATION:

APPLICANT: NYCE, Jonathan W.  
TITLE OF INVENTION: LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE,  
COMPOSITIONS, KIT & METHOD FOR TREATMENT  
OF AIRWAY DISORDERS ASSOCIATED WITH  
BRONCHOCONSTRICITION, LUNG INFLAMMATION,

## NUMBER OF SEQUENCES: 3111

CORRESPONDENCE ADDRESSES:  
ADDRESSEE: EPIGENESIS PHARMACEUTICALS, INC.  
STREET: 7 Clarke Drive

CITY: Cranbury  
STATE: NJ

COUNTRY: USA  
ZIP: 08512

## COMPUTER READABLE FORM:

MEDIUM TYPE: CD-R  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: N/A

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/543,679A  
FILING DATE: 13-Apr-2000  
CLASSIFICATION: UNKNOWN

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/127,958  
FILING DATE: 1998-08-03

## ATTORNEY/AGENT INFORMATION:

NAME: Amzel, Viviana  
REGISTRATION NUMBER: 30,930

REFERENCE/DOCKET NUMBER: EPI-0067191b  
TELEPHONE: 609-409-3035  
TELEFAX: 413-254-9245

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 609-409-3035

INFORMATION FOR SEQ ID NO: 3009:  
SEQUENCE CHARACTERISTICS:

LENGTH: 146982 base pairs  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear

SEQUENCE DESCRIPTION: SEQ ID NO: 3009:  
US-09-543-679A-3009

Query Match 42.9%, Score 970.2; DB 21; Length 146982;  
Best Local Similarity 99.4%; Pred. No. 3.9e-262;  
Matches 1005; Conservative 0; Mismatches 3; Indels 3; Gaps 3;

QY 1227 AGATGAATGACCCATATTAAATCCGCTGGTGAAGAAATTTCTGGAATCTTAAAAA 1286  
Db 24512 AGTATGAATGACCCATATTAAATCCGCTGGTGAAGAAATTTCTGGAATCTTAAAAA 24453  
QY 1287 TCATGAGATCTTTAAATCTTCCATGAAACGTTTTGTGTGTCACCTCTACGTCAA 1346  
Db 24452 TCATGAGATCTTTAAATCTTCCATGAAACGTTTTGTGTGTCACCTCTACGTCAA 24393  
QY 1347 ACATGAATGTG-TTCCCTGATGATCGGGAATTTCTACCCGACCAAGTTCCTT 1405  
Db 24392 ACATGAATGTGTTTCTTCACTGATCTGGGAATTTCTACCCGACCAAGTTCCTT 24333  
QY 1406 CAGCTTCATTTGCGCCCTCATTTTATCCCTCAACCCGACCCAGGAGTTTATACAGC 1465  
Db 24332 CAGCTTCATTTGCGCCCTCATTTTATCCCTCAACCCGACCCAGGAGTTTATACAGC 24273  
QY 1466 TCAGCTTTTGTCTTTCTTGAGAGAAACAAATTAAGCCAT-AAAGGAAAGATTCTATGT 1524  
Db 24272 TCAGCTTTTGTCTTTCTTGAGAGAAACAAATTAAGCCATTAAGGAAAGATTCTATGT 24213  
QY 1525 GGAATATTAAGATGGCTGACTTGTCTTTCTTGACTCTGTGTTTCAGTTTCAATTCACT 1584  
Db 24212 GGAATATTAAGATGGCTGACTTGTCTTTCTTGACTCTGTGTTTCAGTTTCAATTCACT 24153  
QY 1585 GCTGTACTGATGACAGACACTTCTAAATGAAGTCAATTTGATACATATGTGAATATG 1644  
Db 24152 GCTGTACTGATGACAGACACTTCTAAATGAAGTCAATTTGATACATATGTGAATATG 24093  
QY 1645 GACTCAGTTTCTTCAAGATCAATTTCAAGTCTCTCTGTATACGTGTGAGGTACACT 1704  
Db 24092 GACTCAGTTTCTTCAAGATCAATTTCAAGTCTCTCTGTATACGTGTGAGGTACACT 24033  
QY 1705 CTTATAGAAAGTTCAAAAGTCTACGCTCTCTTTCTTCTTACCTCAGTGAAGTAATGG 1764  
Db 24032 CTTATAGAAAGTTCAAAAGTCTACGCTCTCTTTCTTCTTACCTCAGTGAAGTAATGG 23973  
QY 1765 GGTCTGCTCAAGTTGAAAGATGCTTATTTGACATGACCTCGCGCTGTGAATTTGA 1824  
Db 23972 GGTCTGCTCAAGTTGAAAGATGCTTATTTGACATGACCTCGCGCTGTGAATTTGA 23913  
QY 1825 CCATCCTATTTAAGTGGCTTCAAGGCTCCGACCTCTTTCAGCACCCTCTTTTTCAGT 1884  
Db 23912 CCATCCTATTTAAGTGGCTTCAAGGCTCCGACCTCTTTCAGCACCCTCTTTTTCAGT 23854  
QY 1885 TGGCTGACTTCCACACCTTAGCATCTCATGATGAGTCCCAAGGAAAGAGAGAGAGAAAT 1944  
Db 23853 TGGCTGACTTCCACACCTTAGCATCTCATGATGAGTCCCAAGGAAAGAGAGAGAAAT 23794  
QY 1945 AGCCTGCGGCGTTTTTATGTTGGGGGTTTGTGCTGTTTCTTTTATGAGACCATTCCTA 2004  
Db 23793 AGCCTGCGGCGTTTTTATGTTGGGGGTTTGTGCTGTTTCTTTTATGAGACCATTCCTA 23734  
QY 2005 TTTCTTATAGTCAATGTTTCTTTTATCAGATATTTATAGTAAACATCATGAAAT 2064  
Db 23733 TTTCTTATAGTCAATGTTTCTTTTATCAGATATTTATAGTAAACATCATGAAAT 23674  
QY 2065 GCTAGCTGCAAGTGCATCTCTTTGATGTCAATGGAAGAGTTAAACAGTGGAGAAAT 2124  
Db 23673 GCTAGCTGCAAGTGCATCTCTTTGATGTCAATGGAAGAGTTAAACAGTGGAGAAAT 23614  
QY 2125 TCCCTGATTCACAAATGATGCTGCTTCCCTGCGCCGCGAGACTTTATCCACTTAC 2184  
Db 23613 TCCCTGATTCACAAATGATGCTGCTTCCCTGCGCCGCGAGACTTTATCCACTTAC 23554  
QY 2185 CTAGATTTACATATTTCTTTAAATTTTCATCTCAGGCTCCTCCACACCCAC 2235  
Db 23553 CTAGATTTACATATTTCTTTAAATTTTCATCTCAGGCTCCTCCACACCCAC 23503

## RESULT 37

PCT-US01-26675-1  
Sequence 1, Application PC/TUS0126675

GENERAL INFORMATION:  
APPLICANT: Genassance Pharmaceuticals, Inc.  
APPLICANT: Anastasio, Allison E  
APPLICANT: Bieglecki, Karyn M  
APPLICANT: Klien, Stefanie E  
APPLICANT: Koshy, Beena  
APPLICANT: Kumar, Anant Madan  
TITLE OF INVENTION: HAPLOTYPES OF THE SEIL GENE  
FILE REFERENCE: SEIL MMH1116-PCT  
CURRENT APPLICATION NUMBER: PCT/US01/26675  
CURRENT FILING DATE: 2001-08-27  
PRIOR APPLICATION NUMBER: 60/228,262  
PRIOR FILING DATE: 2000-08-25  
NUMBER OF SEQ ID NOS: 101  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 27780  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: allele  
LOCATION: (3349)..(3349)  
OTHER INFORMATION: PS1: polymorphic base A or G  
NAME/KEY: allele  
LOCATION: (3444)..(3444)  
OTHER INFORMATION: PS2: polymorphic base T or C  
NAME/KEY: allele  
LOCATION: (4206)..(4206)  
OTHER INFORMATION: PS3: polymorphic base C or T  
NAME/KEY: allele  
LOCATION: (5153)..(5153)  
OTHER INFORMATION: PS4: polymorphic base G or A  
NAME/KEY: allele  
LOCATION: (6682)..(6682)  
OTHER INFORMATION: PS5: polymorphic base A or G  
NAME/KEY: allele  
LOCATION: (6783)..(6783)  
OTHER INFORMATION: PS6: polymorphic base C or G  
NAME/KEY: allele  
LOCATION: (6784)..(6784)  
OTHER INFORMATION: PS7: polymorphic base C or T  
NAME/KEY: allele  
LOCATION: (6997)..(6997)  
OTHER INFORMATION: PS8: polymorphic base T or C  
NAME/KEY: allele  
LOCATION: (7027)..(7027)  
OTHER INFORMATION: PS9: polymorphic base T or C  
NAME/KEY: allele  
LOCATION: (8220)..(8220)  
OTHER INFORMATION: PS10: polymorphic base T or C  
NAME/KEY: allele  
LOCATION: (10868)..(10868)  
OTHER INFORMATION: PS11: polymorphic base C or T  
NAME/KEY: allele  
LOCATION: (12363)..(12363)  
OTHER INFORMATION: PS12: polymorphic base G or A  
NAME/KEY: allele  
LOCATION: (13838)..(13838)  
OTHER INFORMATION: PS13: polymorphic base G or A  
NAME/KEY: allele  
LOCATION: (18851)..(18851)  
OTHER INFORMATION: PS14: polymorphic base A or G  
NAME/KEY: allele  
LOCATION: (19074)..(19074)  
OTHER INFORMATION: PS15: polymorphic base A or G  
NAME/KEY: allele  
LOCATION: (19155)..(19155)  
OTHER INFORMATION: PS16: polymorphic base C or A  
NAME/KEY: allele  
LOCATION: (23767)..(23767)  
OTHER INFORMATION: PS17: polymorphic base A or G  
NAME/KEY: allele  
LOCATION: (23787)..(23787)

OTHER INFORMATION: PS18: polymorphic base C or T  
NAME/KEY: allele  
LOCATION: (23925)..(23925)  
OTHER INFORMATION: PS19: polymorphic base T or C  
NAME/KEY: allele  
LOCATION: (24041)..(24041)  
OTHER INFORMATION: PS20: polymorphic base T or C  
NAME/KEY: allele  
LOCATION: (24122)..(24122)  
OTHER INFORMATION: PS21: polymorphic base C or T  
PCT-US01-26675-1

Query Match 42.9%; Score 969.8; DB 1; Length 27780;  
Best Local Similarity 99.0%; Pred. No. 1.9e-262;  
Matches 1001; Conservative 5; Mismatches 2; Indels 3; Gaps 3;

QY 1227 AGTATGATGACCCATATTAAATCGCCCTTGTAAGAAATTTCTGGAATTAATAA 1286  
DB 23761 agtatgatacccatattaaatcgccttgtaagaaatcttggaataataa 23820  
QY 1287 TCATGATGCTTTAAATCCTTCCATGAACGTTTGTTGGTGGACCTCCAGTCA 1346  
DB 23821 tcatgataccctttaaattccctcagaaacgcttggtggtgacccctcagtc 23880  
QY 1347 ACATGAAGTGTG-TTCCTTCAGTGCATCTGGGAAGATTTCTACCCGACCAAGTTCCT 1405  
DB 23881 acatgaagtggtgttctcttcagtcgcatctgggaagttcttacgcgacaacagtcct 23940  
QY 1406 CAGCTTCATTTGGCCCTCATTTTATTCCTCAACCCCGACGACAGTGTTCATCAGC 1465  
DB 23941 cagcttcacatttgcctccatattaccctcaaccccgacgacagtggttatacagc 24000  
QY 1466 TCAGCTTTTGTCTTTCGAGGAGAAACAATTAAGCCAT-AAGGGAAGATTCATGT 1524  
DB 24001 tcagcttttgccttcttcgaggaagaacaataaagcaayaaggaagattcaagt 24060  
QY 1525 GGAATATAAAGATGCGTGAATTTGCTTTGACTCTTGTTCAGTTTCATTCAGT 1584  
DB 24061 ggaataataagatgctgacttgcctcttctgactctgtttcagttcaattcagt 24120  
QY 1585 GCTGTACTTGATGACAGACACTTCTAAATGAGTGCAGAAATTTGATACATATGATATG 1644  
DB 24121 gctgtacttgatgacagacacttctaagtgaaatgtgatacatatgtgaatag 24180  
QY 1645 GACTCAGTTTCTTGAGATCAAAATTTCAAGTGTCTTGATATGAGGTACT 1704  
DB 24181 gactcagtttcttgagatcaaaatttcaagtgcttcttgatacagtgaggtacact 24240  
QY 1705 CTATAGAAAGTCAAAAGTCTACGCTCTCTCTTCTTAACCTCAGTGAATATG 1764  
DB 24241 ctatagaaggtcaaaaggtcagctctctcttcttctaactcagtgaaatag 24300  
QY 1765 GGTCTGCTCAGTGAAGAGTCTATTTGACCTAGCTCGCGCTGTGAATGGA 1824  
DB 24301 ggtcctgctcagtgaaagagtcctatctgacgtgagcctgctgtgaatgga 24360  
QY 1825 CCATTCCTATTACCTGCTTCAGGCTCCGCTCCACCTTCAGACACCTCTTTTCACT 1884  
DB 24361 ccattcctattacctgcttcaggtcccaaccccttcagacacccctcttcttcagt 24419  
QY 1885 TGCGTACTTTCACACCTAGCATCTCATGAGTCCCAAGCAAAAGAGAGAGAGAAAT 1944  
DB 24420 tgcgtacttcacacctagcatctcatgagtgcaagaagaagagagaagaat 24479  
QY 1945 AGCCTGCGGGTTTTTAACTTTGGGGGTTTGTGCTTTCTCTTTATGACACCATTTCTTA 2004  
DB 24480 agcctgcggtttttaaacttttgggggtttgtgctttctctttatgacacccattcccta 24539  
QY 2005 TTCTCTATAGTCAATGTTCTTTATCAGATATTTAGTAAGAAACATCAGTCAAT 2064  
DB 24540 ttctctatagtaagtcttcttatacagatatattagtaagaagaacatcagtaaat 24599

QY 2065 GCTAGCTGACAGTACATCTCTTGTATGATCATGAGAGAGTAAACAGGTGAGAAAT 2124  
|  
Db 24600 gctagctgcaagtgacatctcttctgatacgataagagtgtaaacagtgagaaat 24559  
QY 2125 TCCCTTGATTCACAATGAAATGCTCTCTTCCCTGCCGCCAGAACCTTTATTCAGCTTAC 2184  
|  
Db 24660 tcccttgatcacaatgaaatgctctcttccctgccgccagccacttataccactaac 24719  
QY 2185 CTAAATCTACATATTTCTTTAAATTTATTCATGACGCTCCCTCAACCCAC 2235  
|  
Db 24720 ctgaattcacaatacttctttaaattcatctcagcctccctcaacccac 24770  
  
RESULT 38  
US-09-997-722-136  
; Sequence 136, Application US/09997722  
; GENERAL INFORMATION:  
; APPLICANT: Morris, David  
; APPLICANT: Engelhard, Eric  
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER  
; FILE REFERENCE: A-71171/RMS/DCF  
; CURRENT APPLICATION NUMBER: US/09/997,722  
; PRIOR FILING DATE: 2001-11-30  
; PRIOR APPLICATION NUMBER: US 09/747,377  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: US 09/798,586  
; NUMBER OF SEQ ID NOS: 301  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 136  
; LENGTH: 40955  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-997-722-136

Query Match 42.9%; Score 968.6; DB 36; Length 40955;  
Best Local Similarity 99.3%; Pred. No. 5.3e-262;  
Matches 1004; Conservative 0; Mismatches 4; Indels 3; Gaps 3;  
QY 1227 AGTATGATGACCCATATTAATGCGCCCTTGTAAGAAATTTCTTGATTAATAAA 1286  
|  
Db 29818 agtatgatacaccatatttaattgcccccttgtaagaaatcttgatataaaaa 29877  
QY 1287 TCATGAGATCCTTTAAATCCCTTCATGAAAGCTTTTGTGTGGACCTCTCAAGTCAA 1346  
|  
Db 29878 tcatgagatccttttaaatcccttcataagaaagcttttgtgtggacctctcaagtc 29937  
QY 1347 ACATGAGATGAG-TTCCCTGAGTATGAGAGATTTTACCCGACCAAGTCTT 1405  
|  
Db 29938 acatgagatgag-ttccctgagatgagagatTTTACCCGACCAAGTCTT 29997  
QY 1406 CAGCTTCCATTTGCGCCCTCATTTATTCCTCAACCCGACCCAGCTGTTTATACAGC 1465  
|  
Db 29998 cagcttccatttgcgccctcatattatccctcaaccccgagctgcttatacagc 30057  
QY 1466 TCAGCTTTTGTCTTTTCTGAGGAGAAACAATTAAGACAT-AAGGGAAGGATTTATGT 1524  
|  
Db 30058 tcagcttttgtcttttctgagagaaacaataagacataaagggaagagattcatgt 30117  
QY 1525 GGAATATTAAGATGGCTGAGCTTCTCTTCTTCTGACTCTGTTTTCAGTTTCAATTCAGT 1584  
|  
Db 30118 ggaatataaagatggctgagcttctcttctgactctgacctgttctcaagttcaatcagc 30177  
QY 1585 GCTGTACTTGTAGACAGACACTTCTTAATGAAATGAAATTTGATACATATGTAATATG 1644  
|  
Db 30178 gctgtacttgtagacagacacttctaataagtgaaattgtatataatgtgaaatg 30237  
QY 1645 GACGCAATTTTCTTGACAGATCAAAATTCAGTCTCTTGTATACGTGGAGGTACACT 1704  
|  
Db 30238 gacgcaatttcttctgacagatcaaaattcaagctgcttctgtatacagtggaaggtacact 30297  
QY 1705 CTTATAGAAAGTTCAAAAAGTCTACGCTCTTCCTTTCTTCAACTCCAGTGAATATATG 1764

Db 30298 ctatagaaagttcaaaaagctacgctctcttcttcttcttaactccagtgaaatgag 30357  
QY 1765 GGTCTGCTCAAGTTGAAAGATGCTCTATTGTCAGTATGACCTGCGCCCTGTGTGAATTTGA 1824  
|  
Db 30358 ggtctgctcaagttgaaaggtctctatttgcactgttagcctcgctctgtgaaatgga 30417  
QY 1825 CCATCTATTTAACTGGCTTTAGGCTTCCCACTTCTTTCAGCCACCTCTCTTTTTCAGT 1884  
|  
Db 30418 ccattctatttaactggcttttaggcttcccaacttcttgcagccactcttcttcaagt 30476  
QY 1885 TGCGTGAATTCACACCTAGCATCTCATGAGTGGCAAGCAAAAGAGAGAGAAAT 1944  
|  
Db 30477 tgctgacttccacactcagatctcatgtgacaaagaaagagagagagaaat 30536  
QY 1945 AGCCTGCGGGTTTTAGTTTGGGGTTTTGCTGTTCTTTTATGAGACCATTCCTA 2004  
|  
Db 30537 agcctgcgctgtttttagtttggtgggtttgtcgtcttcccttataagagaccacttcc 30596  
QY 2005 TTTCTTATGATCATGTTTCTTTTATGACGATATTATTATTAAGAAACATCATGAAAT 2064  
|  
Db 30597 ttcttataagtaagtttcttcttatacagatattatagtaagaaacatcactgaaat 30656  
QY 2065 GCTAGCTGCAAGTACATCTCTTGTATGATCATGAGAGAGTAAACAGGTGAGAAAT 2124  
|  
Db 30657 gctagctgcaagtgacatctcttctgatacgataagagtgtaaacagtgagaaat 30716  
QY 2125 TCCCTTGATTCACAATGAAATGCTCTCTTCCCTGCCGCCAGAACCTTTATTCAGCTTAC 2184  
|  
Db 30717 tcccttgatcacaatgaaatgctctcttccctgccgccagccacttataccactaac 30776  
QY 2185 CTAAATCTACATATTTCTTTAAATTTATTCATGACGCTCCCTCAACCCAC 2235  
|  
Db 30777 ctgaattcacaatacttctttaaattcatctcagcctccctcaacccac 30827

RESULT 39  
US-60-212-659-230/C  
; Sequence 230, Application US/60212659  
; GENERAL INFORMATION:  
; APPLICANT: Beasley, Ellen  
; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,  
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND  
; FILE REFERENCE: CL000674  
; CURRENT APPLICATION NUMBER: US/60/212,659  
; PRIOR FILING DATE: 2000-06-19  
; NUMBER OF SEQ ID NOS: 879  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 230  
; LENGTH: 32336  
; TYPE: DNA  
; ORGANISM: HUMAN  
US-60-212-659-230

Query Match 42.5%; Score 959.2; DB 60; Length 32336;  
Best Local Similarity 99.3%; Pred. No. 2.1e-259;  
Matches 1005; Conservative 0; Mismatches 3; Indels 4; Gaps 4;  
QY 1227 AGTATGATGACCCATATTAATGCGCCCTTGTAAGAAATTTCTTGATTAATAAA 1286  
|  
Db 20864 agtatgatacaccatatttaattgcccccttgtaagaaatcttgatataaaaa 20805  
QY 1287 TCATGAGATCCTTTAAATCCCTTCATGAAAGCTTTTGTGTGGACCT-CTTACGTCA 1345  
|  
Db 20804 tcatgagatccttttaaatcccttcataagaaagcttttgtgtggacctccctacgtca 20745  
QY 1346 AACATGAGATGAG-TTCCCTTCAAGTCAATCTGGGAGAAATTTCTACCCGACCAACAGTTCT 1404  
|  
Db 20744 aacatgagatgagtttcttctcagtcagtctgggaagattttctacccgaccaacagttcct 20685  
QY 1405 TCACCTTCATTTTGGCCCGCATTTATTCCTCAACCCGACCCGACCAAGGTGTTATATCAG 1464

|||||  
Db 20684 TCAGCTTCATTTGCCCCCATTTATCCCTCAACCCCGCCAGCCAGGCTTTATACAG 20625  
QY 1465 CTCAGCTTTTGTCTTTTGTGAGAGAAACAAATAGACAT -AAGGAAAGATTCAG 1523  
Db 20624 CTCAGCTTTTGTCTTTTGTGAGAGAAACAAATAGACAT -AAGGAAAGATTCAG 20565  
QY 1524 TGGAAATATAAGATGCTGCTGCTTTTGTGAGCTGTTGTTCAGTTTCAATTCAG 1583  
Db 20564 TGGAAATATAAGATGCTGCTGCTTTTGTGAGCTGTTGTTCAGTTTCAATTCAG 20505  
QY 1584 TGGCTACTTGTATGACAGACACTTCTAAATGAAGTCAAAATTTGATATATGATAT 1643  
Db 20504 TGGCTACTTGTATGACAGACACTTCTAAATGAAGTCAAAATTTGATATATGATAT 20445  
QY 1644 GGACGAGTTTCTTGTACATCAAAATTTGACGCTGCTTGTATCTGTGAGGATAC 1703  
Db 20444 GGACGAGTTTCTTGTACATCAAAATTTGACGCTGCTTGTATCTGTGAGGATAC 20385  
QY 1704 TCTTATAGAAAGTCAAAAGTCTACGCTCTCTTTCTTCTTACCTCAGTGAATATG 1763  
Db 20384 TCTTATAGAAAGTCAAAAGTCTACGCTCTCTTTCTTCTTACCTCAGTGAATATG 20325  
QY 1764 GGGTCTGCTCAAGTTGAAAGTCTCTATTTGACCTGTAGCCTGCGCTGTGAATG 1823  
Db 20324 GGGTCTGCTCAAGTTGAAAGTCTCTATTTGACCTGTAGCCTGCGCTGTGAATG 20265  
QY 1824 ACCATCTTATTAACGCTTGTAGGCTGCGCCACCTTCTTACGCGCCCTCTTTTCAG 1883  
Db 20264 ACCATCTTATTAACGCTTGTAGGCTGCGCCACCTTCTTACGCGCCCTCTTTTCAG 20206  
QY 1884 TTGGCTGACTCCACACCTAGCATCATGATGCCAAGCAAAAGAGAGAGAGAA 1943  
Db 20205 TTGGCTGACTCCACACCTAGCATCATGATGCCAAGCAAAAGAGAGAGAGAA 20146  
QY 1944 TAGCCTGCGGCTTTTATAGTTGGGGGTTTGTCTGTTTCTTTATGAGACCATTCCT 2003  
Db 20145 TAGCCTGCGGCTTTTATAGTTGGGGGTTTGTCTGTTTCTTTATGAGACCATTCCT 20086  
QY 2004 ATTTCTTATAGCAATGTTCTTTTATACGATATATATAGTAAAGAAACATCAGTAA 2063  
Db 20085 ATTTCTTATAGCAATGTTCTTTTATACGATATATATAGTAAAGAAACATCAGTAA 20026  
QY 2064 TGTCTAGTGCAGAGTACATCTTTGATGTATGATGAGAGTAAACAGGTGAGAA 2123  
Db 20025 TGTCTAGTGCAGAGTACATCTTTGATGTATGATGAGAGTAAACAGGTGAGAA 19966  
QY 2124 TTCTTGTATTCAGATGAATGCTCTCTTCCCTGCCCCCAGAACTTTATTCACCTTA 2183  
Db 19965 TTCTTGTATTCAGATGAATGCTCTCTTCCCTGCCCCCAGAACTTTATTCACCTTA 19906  
QY 2184 CCTAGATTCATATTCCTTTAAATTTTCAATCAGAGCCCTCCCTCAACCCAC 2235  
Db 19905 CCTAGATTCATATTCCTTTAAATTTTCAATCAGAGCCCTCCCTCAACCCAC 19854

## RESULT 40

US-60-230-435-754/c

Sequence 754. Application US/60230435

GENERAL INFORMATION:

APPLICANT: Beasley, Ellen

TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND

TITLE OF INVENTION: USES THEREOF

FILE REFERENCE: C1000768

CURRENT APPLICATION NUMBER: US/60/230.435

NUMBER OF SEQ ID NOS: 2991

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 754

LENGTH: 32386

TYPE: DNA

ORGANISM: HUMAN

US-60-230-435-754

Query Match 42.5%; Score 959.2; DB 62; Length 32386;

Best Local Similarity 99.3%; Pred. No. 2.1e-259;

Matches 1005; Conservative 0; Mismatches 3; Indels 4; Gaps 4;

QY 1227 AGTATGAATGACCCCATATTAATCGCCCTGGTGAAGAAATTTCTGGAATACATAAAA 1286  
Db 20914 AGTATGAATGACCCCATATTAATCGCCCTGGTGAAGAAATTTCTGGAATACATAAAA 20855  
QY 1287 TCATGAGATCCCTTAAATCCTTCATGAAAGCTTTGTGTGTGACACT -CCTACGCA 1345  
Db 20854 TCATGAGATCCCTTAAATCCTTCATGAAAGCTTTGTGTGTGACACT -CCTACGCA 20795  
QY 1346 AACATGAATGTG -TTCTCTGAGTGCATGTGGAGATTTTCAACCCAGCAACATTCCT 1404  
Db 20794 AACATGAATGTGTTCTCTTCTGAGTGCATGTGGAGATTTTCAACCCAGTTCCT 20735  
QY 1405 TCAGCTTCATTTGCCCCCTCATTTATCCCTCAACCCCGCCAGGCTTTATACAG 1464  
Db 20734 TCAGCTTCATTTGCCCCCTCATTTATCCCTCAACCCCGCCAGGCTTTATACAG 20675  
QY 1465 CTCAGCTTTTGTCTTTCTGAGAGAAACAAATAGACAT -AAGGAAAGATTCAG 1523  
Db 20674 CTCAGCTTTTGTCTTTCTGAGAGAAACAAATAGACAT -AAGGAAAGATTCAG 20615  
QY 1524 TGGAAATATAAGATGCTGCTGCTTTTGTGAGCTGTGATATGATAT 1583  
Db 20614 TGGAAATATAAGATGCTGCTGCTTTTGTGAGCTGTGATATGATAT 20555  
QY 1584 TGTCTGACTTGTATGACAGACACTTCTAAATGAAGTCAAAATTTGATATATGATAT 1643  
Db 20554 TGTCTGACTTGTATGACAGACACTTCTAAATGAAGTCAAAATTTGATATATGATAT 20495  
QY 1644 GGACGAGTTTCTTGCAGATCAAAATTTGACGCTGCTTGTATATCTGTGAGTAC 1703  
Db 20494 GGACGAGTTTCTTGCAGATCAAAATTTGACGCTGCTTGTATATCTGTGAGTAC 20435  
QY 1704 TCTTATAGAAAGTCAAAAGTCTACGCTCTCTTTCTTCTTACCTCAGTGAATATG 1763  
Db 20434 TCTTATAGAAAGTCAAAAGTCTACGCTCTCTTTCTTCTTACCTCAGTGAATATG 20375  
QY 1764 GGGTCTGCTCAAGTTGAAAGTCTCTATTTGACCTGTAGCCTGCGCTGTGAATGG 1823  
Db 20374 GGGTCTGCTCAAGTTGAAAGTCTCTATTTGACCTGTAGCCTGCGCTGTGAATGG 20315  
QY 1824 ACCATCTTATTAACGCTTGTAGGCTGCGCCACCTTCTTACGCGCCCTCTTTTCAG 1883  
Db 20314 ACCATCTTATTAACGCTTGTAGGCTGCGCCACCTTCTTACGCGCCCTCTTTTCAG 20256  
QY 1884 TTGGCTGACTCCACACCTAGCATCATGATGCCAAGCAAAAGAGAGAGAGAA 1943  
Db 20255 TTGGCTGACTCCACACCTAGCATCATGATGCCAAGCAAAAGAGAGAGAGAA 20196  
QY 1944 TAGCCTGCGGCTTTTATAGTTGGGGGTTTGTCTGTTTCTTTATGAGACCATTCCT 2003  
Db 20195 TAGCCTGCGGCTTTTATAGTTGGGGGTTTGTCTGTTTCTTTATGAGACCATTCCT 20136  
QY 2004 ATTTCTTATAGCAATGTTCTTTTATCAGATATATATAGTAAAGAAACATCAGTAA 2063  
Db 20135 ATTTCTTATAGCAATGTTCTTTTATCAGATATATATAGTAAAGAAACATCAGTAA 20076  
QY 2064 TGTCTAGTGCAGAGTACATCTTTGATGTATGATGAGAGTAAACAGGTGAGAA 2123  
Db 20075 TGTCTAGTGCAGAGTACATCTTTGATGTATGATGAGAGTAAACAGGTGAGAA 20016  
QY 2124 TTCTTGTATTCAGATGAATGCTCTCTTCCCTGCCCCCAGAACTTTATTCACCTTA 2183  
Db 20015 TTCTTGTATTCAGATGAATGCTCTCTTCCCTGCCCCCAGAACTTTATTCACCTTA 19956  
QY 2184 CCTAGATTCATATTCCTTTAAATTTTCAATCAGAGCCCTCCCTCAACCCAC 2235  
Db 19956 CCTAGATTCATATTCCTTTAAATTTTCAATCAGAGCCCTCCCTCAACCCAC 19854



Db 19955 CCTAGATTCTACATATTCTTTAAATTTCATCTCAGGCCCTCCCTCAACCCGAC 19904

Search completed: September 4, 2002, 12:38:06  
Job time: 14619 sec

**This Page Blank (uspto)**



```

:
: CITY: Alexandria
: STATE: VA
: COUNTRY: USA
: ZIP: 22313-0299
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentln Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/232,463
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/07/935,313
: FILING DATE:
: APPLICATION NUMBER: EP 91 114 300.6
: FILING DATE: 26-AUG-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: BENT, Stephen A.
: REGISTRATION NUMBER: 29,768
: REFERENCE/DOCKET NUMBER: 30472/114 IMMU
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703)836-9300
: TELEFAX: (703)683-4109
: TELEX: 899149
: INFORMATION FOR SEQ ID NO: 14:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 7218 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: CLONE: pTZgpt-F1s
:
: US-08-232-463-14

```

```

Query Match 2.5%; Score 57.6; DB 1; Length 7218;
Best Local Similarity 5.0%; Pred.No.1,1e-06;
Matches 18; Conservative 204; Mismatches 138; Indels 0; Gaps 0;

OY 226 ATCATGGAACCTACTGCTGACTTACATTTATTTGAAAAAACCCTGAACTGGCAAGG 285
||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 1473 ATCATGGAACCTACTGCTGACTTACATTTATTTGAAAAAACCCTGAACTGGCAAGG 1414
OY 286 CTAGAGATTCTGCCGAGACATTTACACAGATTGTTGCCCTACAAAAACAAGCGCGA 345
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1413 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1354
OY 346 TTGACTATCTGGAGAGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 405
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1333 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1294
OY 406 AGATAGAGAGATATGACGTGCTGAGAACCAACAATCTCTCACTGAAGACAGAGA 465
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1293 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1234
OY 466 ACTGGGAGATGTCAGCCCAACAACAAGAGAGAGACGCGTGGAGATCTATA 525
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1233 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1174
OY 526 TCAAGAGAAACAAGATGAGCAATGGAAGATGAGCCTGCACAAACTAAGGAG 585
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1173 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1114

```

```

RESULT 38
US-08-232-463-14
: Sequence 14, Application US/08232463
: Patent No. 5670367
: GENERAL INFORMATION:
: APPLICANT: DORNER, F.
: APPLICANT: SCHEIFLINGER, F.
:

```

```

:
: APPLICANT: FALKNER, F. G.
: TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
: NUMBER OF SEQUENCES: 52
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Foley & Lardner
: STREET: 1800 Diagonal Road, Suite 500
: CITY: Alexandria
: STATE: VA
: COUNTRY: USA
: ZIP: 22313-0299
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentln Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/232,463
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/07/935,313
: FILING DATE:
: APPLICATION NUMBER: EP 91 114 300.6
: FILING DATE: 26-AUG-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: BENT, Stephen A.
: REGISTRATION NUMBER: 29,768
: REFERENCE/DOCKET NUMBER: 30472/114 IMMU
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703)836-9300
: TELEFAX: (703)683-4109
: TELEX: 899149
: INFORMATION FOR SEQ ID NO: 14:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 7218 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: CLONE: pTZgpt-F1s
:
: US-08-232-463-14

```

```

Query Match 2.1%; Score 47.4; DB 1; Length 7218;
Best Local Similarity 2.4%; Pred.No.0.0011;
Matches 9; Conservative 218; Mismatches 154; Indels 0; Gaps 0;

OY 1541 TGACTTCTCTTTCTTGACTGCTGTTTCACTTCAATTCAGTGCCTGCTACTGATGCA 1600
|| | : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1061 TGCGATTYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1120
OY 1601 GACACTTCAATGAGAGCAATTTGATACATATGTAATGAGACTGAGTTTCTTGC 1660
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1121 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1180
OY 1661 AGATCAAAATTCACGCTCTCTGTGTAAGTGTGAGCTTACACTTATACAACTTCAA 1720
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1181 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1240
OY 1721 AAAGTCTACGCTCTCTTCTTCTTCACTCCAGTGAAGTAATGGGCTGCTGCTAAGTTG 1780
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1241 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1300
OY 1781 AAAGTCTATTTGACATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTATTAAGTG 1840
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1301 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1360
OY 1841 GCTTACGCTCTCCGACCTCTTTCAGCCACTCTCTTTTTCAGTTGCTGACTTCCACAC 1900
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 1361 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1420
OY 1901 CTAGCATCTCAGTGGCCAA 1921
: : : : : : : : | | | | |

```

[illegible]

RESULT 35  
US-08-340-539A-4

```

?      LENGTH: 363 base pairs
?      TYPE: nucleic acid
?      STRANDEDNESS: single
?      TOPOLOGY: linear
?      MOLECULE TYPE: DNA (genomic)
US-08-340-539A-4

```

RESULT 36  
US-08-461-592B-4  
; Sequence 4, Application US/08461592B  
; Patent No. 5834425  
; GENERAL INFORMATION:

```

1  APPLICANT: Tedder, Thomas F.
2  APPLICANT: Kansas, Geoffrey S.
3  TITLE OF INVENTION: CHEMERIC SELECTINS AS SIMULTANEOUS
4  TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
5  NUMBER OF SEQUENCES: 11
6  CORRESPONDENCE ADDRESS:
7  ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
8  STREET: Ten Post Office Square
9  City: Boston
10 STATE: MA
11 COUNTRY: USA
12 ZIP: 02109
13 COMPUTER READABLE FORM:
14 MEDIUM TYPE: Floppy disk
15 COMPUTER: IBM PC compatible
16 OPERATING SYSTEM: PC-DOS/MS-DOS
17 SOFTWARE: PatentIn Release #1.0, Version #1.25
18 CURRENT APPLICATION DATA:
19 APPLICATION NUMBER: US/08/461,592B
20 FILING DATE:
21 CLASSIFICATION: 514
22 PRIOR APPLICATION DATA:
23 APPLICATION NUMBER: US 08/340,539
24 FILING DATE: 16-NOV-1994
25 PRIOR APPLICATION DATA:
26 APPLICATION NUMBER: US 08/008,459
27 FILING DATE: 25-JAN-1993
28 ATTORNEY/AGENT INFORMATION:
29 NAME: James F. Haley, Jr.
30 REGISTRATION NUMBER: 27,794
31 REFERENCE/DOCKET NUMBER: CG-104
32 TELECOMMUNICATION INFORMATION:
33 TELEPHONE: (212) 596-9000
34 TELEFAX: (212) 596-9090
35 TELEX: 14-8367
36 INFORMATION FOR SEQ. ID NO.: 4:
37 SEQUENCE CHARACTERISTICS:
38 LENGTH: 363 base pairs
39 TYPE: nucleic acid
40 STRANDEDNESS: single
41 TOPOLOGY: linear
42 MOLECULE TYPE: DNA (genomic)
43 HYPOTHETICAL: NO
44 ANTI-SENSE: NO
45 IS-08-461-592B-4

```

Query Match	3.7%;	Score 84.2;	DB 2;	Length 363;
Best Local Similarity	91.8%;	Pred. No. 3.4e-15;		
Matches 89;	Conservative 0;	Mismatches 8;	Indels 0;	Gaps 0;

RESULT 37  
US-08-232-463-14/C  
Sequence 14, Application US/08232463  
Patent No. 5670367  
GENERAL INFORMATION:  
APPLICANT: DORNER, F.  
APPLICANT: SCHIEFLINGER, F.  
APPLICANT: FALKNER, F. G.  
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
NUMBER OF SEQUENCES: 52  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 1800 Diagonal Road, Suite 500

```

:      REGISTRATION NUMBER: 27,794
:      REFERENCE/DOCKET NUMBER: GC-104
:      TELECOMMUNICATION INFORMATION:
:      TELEPHONE: (212) 596-9000
:      TELEFAX: (212) 596-9090
:      TELEX: 14-8367
:      INFORMATION FOR SEQ ID NO: 6:
:      SEQUENCE CHARACTERISTICS:
:      LENGTH: 832 base pairs
:      TYPE: nucleic acid
:      STRANDEDNESS: single
:      TOPOLOGY: linear
:      MOLECULE TYPE: DNA (genomic)
:      HYPOTHETICAL: NO
:      ANTI-SENSE: NO
:
:      US-08-461-592B-6

```

[illegible]

```

1  RESULT 33
2  US-08-340-539A-3
3  ; Sequence 3, Application US/08340539A
4  ; Patent No. 5608025
5  ;
6  ; GENERAL INFORMATION:
7  ; APPLICANT: Tedder, Thomas F.
8  ; APPLICANT: Kansas, Geoffrey S.
9  ; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
10 ; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
11 ; NUMBER OF SEQUENCES: 28
12 ;
13 ; CORRESPONDENCE ADDRESS:
14 ; ADDRESSEE: FISH & NEAVE
15 ; STREET: 1251 Avenue of the Americas
16 ; CITY: New York
17 ; STATE: New York
18 ; COUNTRY: USA
19 ; ZIP: 10020
20 ;
21 ; COMPUTER READABLE FORM:
22 ; MEDIUM TYPE: Floppy disk
23 ; COMPUTER: IBM PC compatible
24 ; OPERATING SYSTEM: PC-DOS/MS-DOS
25 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
26 ;
27 ; CURRENT APPLICATION DATA:
28 ; APPLICATION NUMBER: US/08/340,539A
29 ; FILING DATE: 16-NOV-1994
30 ;
31 ; CLASSIFICATION: 514
32 ;
33 ; PRIOR APPLICATION DATA:
34 ; APPLICATION NUMBER: US 08/008,459
35 ; FILING DATE: 25-JAN-1993
36 ;
37 ; ATTORNEY/AGENT INFORMATION:
38 ; NAME: Gunnison, Jane
39 ; REGISTRATION NUMBER: 38,479
40 ;
41 ; REFERENCE/DOCKET NUMBER: CG-104 CON
42 ; TELECOMMUNICATION INFORMATION:
43 ; TELEPHONE: 212-596-9000
44 ; TELEFAX: 212-596-9090
45 ;
46 ; INFORMATION FOR SEQ ID NO: 3:
47 ; SEQUENCE CHARACTERISTICS:
48 ; LENGTH: 1192 base pairs
49 ; TYPE: nucleic acid
50 ; STRANDEDNESS: single
51 ; TOPOLOGY: linear
52 ;

```

```
;      MOLECULE TYPE:   DNA (genomic)
US-08-340-539A-3

Query Match          4.3%; Score 96.4; DB 1; Length 1192;
Best Local Similarity 98.2%; Pred. No. 1.6e-18;
Matches 108; Conservative 0; Mismatches 1; Indels 1; Gaps 1.
```

RESULT 34  
US-08-461-592B-3  
Sequence 3, Application US/08461592B  
Patent No. 5834425  
GENERAL INFORMATION:  
APPLICANT: Tedder, Thomas F.  
APPLICANT: Kansas, Geoffrey S.  
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: weingarten, Schurjin, Gagnebin & Hayes  
STREET: Ten Post Office Square  
CITY: Boston

```

1 ZIP: 02109
2 COMPUTER: READABLE FORM:
3 MEDIUM TYPE: Floppy disk
4 COMPUTER: IBM PC compatible
5 OPERATING SYSTEM: PC-DOS/MS-DOS
6 SOFTWARE: PatentIn Release #1.0, Version #1.25
7 CURRENT APPLICATION DATA:
8 APPLICATION NUMBER: US/08/461,592B
9 FILING DATE:
10 CLASSIFICATION: 514
11 PRIOR APPLICATION DATA:
12 APPLICATION NUMBER: US 08/340,539
13 FILING DATE: 16-NOV-1994
14 PRIOR APPLICATION DATA:
15 APPLICATION NUMBER: US 08/008,459
16 FILING DATE: 25-JAN-1993
17 ATTORNEY/AGENT INFORMATION:
18 NAME: James F. Haley, Jr.
19 REGISTRATION NUMBER: 27,794
20 REFERENCE/DOCKET NUMBER: CG-104
21 TELECOMMUNICATION INFORMATION:
22 TELEPHONE: (212) 596-9000
23 TELEFAX: (212) 596-9090
24
25 INFORMATION FOR SEQ ID NO: 3:
26 SEQUENCE CHARACTERISTICS:
27 LENGTH: 1192 base pairs
28 TYPE: nucleic acid
29 STRANDEDNESS: single
30 TOPOLOGY: linear
31 MOLECULE TYPE: DNA (genomic)
32 HYPOTHEetical: NO
33 ANTI-SENSE: NO
34
35 US-08-461-592B-3
36
37 Query Match 4.3% Score 96.4; DB 2; Length 1192;
38 Best Local Similarity 98.2%; Pred. No.16e-18;
39 Matches 108; Conservative 0; Mismatches 1; Indels 1; Gaps 1

```



```

1  APPLICANT: Kansas, Geoffrey S.
2  TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
3  TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
4  NUMBER OF SEQUENCES: 11
5  CORRESPONDENCE ADDRESS:
6  ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
7  STREET: Ten Post Office Square
8  CITY: Boston
9  STATE: MA
10 COUNTRY: USA
11 ZIP: 02109
12
13 COMPUTER READABLE FORM:
14 MEDIUM TYPE: Floppy disk
15 COMPUTER: IBM PC compatible
16 OPERATING SYSTEM: PC-DOS/MS-DOS
17 SOFTWARE: Patentin Release #1.0, Version #1.25
18 CURRENT APPLICATION DATA:
19 APPLICATION NUMBER: US/08/461,592B
20 FILING DATE:
21 CLASSIFICATION: 514
22 PRIOR APPLICATION DATA:
23 APPLICATION NUMBER: US 08/340,539
24 FILING DATE: 16-NOV-1994
25 PRIOR APPLICATION DATA:
26 APPLICATION NUMBER: US 08/008,459
27 FILING DATE: 25-JAN-1993
28 ATTORNEY/AGENT INFORMATION:
29 NAME: James F. Haley, JR.
30 REGISTRATION NUMBER: 27,794
31 REFERENCE/DOCKET NUMBER: CG-104
32 TELECOMMUNICATION INFORMATION:
33 TELEPHONE: (212) 596-9000
34 TELEFAX: (212) 596-9090
35 TELE: 14-8367
36 INFORMATION FOR SEQ ID NO: 7:
37 SEQUENCE CHARACTERISTICS:
38 LENGTH: 712 base pairs
39 TYPE: nucleic acid
40 STRANDEDNESS: single
41 TOPOLOGY: linear
42 MOLECULE TYPE: DNA (genomic)
43 HYPOTHEetical: NO
44 ANTI-SENSE: NO
45
46 US-08-461-592B-7

```

RESULT 29  
US-08-340-539A-9  
; Sequence 9, Application US/08340539A  
; Patent No. 5808025  
; GENERAL INFORMATION:  
; APPLICANT: Tedder, Thomas F.

APPLICANT: Kansas, Geoffrey S.  
 TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
 NUMBER OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
 NUMBER OF SEQUENCES: 28  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FISH & NEAVE  
 STREET: 1251 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10020  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/340,539A  
 FILING DATE: 16-NOV-1994  
 CLASSIFICATION: 514  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/008,459  
 FILING DATE: 25-JAN-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Gunnison, Jane  
 REGISTRATION NUMBER: 38,479  
 REFERENCE/DOCKET NUMBER: CG-104 CON  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-596-9000  
 TELEFAX: 212-596-9090  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 544 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-08-340-539A-9

```

Query Match Similarity      5.8%; Score 131.2; DB 1; length 544;
Best Local Similarity      97.8%; Pred No. 6, le-29;
Matches 133; Conservative   0; Mismatches    3; Indels     0; Gaps     0

QY      1079 AAAATTGGACAAAAGTTTCTCAATGATTAAAGAGAGGGTGATTAACCCCTTCATTC C 1138
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db       298 AGAATTGGACAAAAGTTTCTCAATGATTAAAGAGAGGGTGATTAACCCCTTCATTC C 357

QY      1139 AGTGCACATCATGTGTACTGCATTCCTCCTGGGTGGCATTTATCATTTGGCTGSCAAGAG 1198
          ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db       358 AGTGCACATCATGTGTACTGCATTCCTCCTGGGTGGCATTTATCATTTGGCTGSCAAGAG 417

QY      1199 ATTAATAAAAAAGCGCAAG 1214
          ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db       418 ATTAATAAAAAAGSTATG 433

RESULT  30
US-08-461-592B-9
Sequence 9, Application US/08461592B
Patent No. 5834425
GENERAL INFORMATION:
Applicant: Tedder, Thomas F.
Applicant: Kansas, Geoffrey S.
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Weingarten, Schurgalin, Gagnebin & Hayes
STREET: Ten Post Office Square
CITY: Boston
STATE: MA
COUNTRY: USA

```

1 CORRESPONDENCE ADDRESS:  
2 ADDRESSEE: Weinarten, Schurkin, Gagnedin & Hayes  
3 STREET: Ten Post Office Square  
4 CITY: Boston  
5 STATE: MA  
6 COUNTRY: USA  
7



## RESULT 26

US-08-461-592B-8  
; Sequence 8, Application US/08461592B  
; Patent No. 5834425  
; GENERAL INFORMATION:  
; APPLICANT: Tedder, Thomas F.  
; APPLICANT: Kansas, Geoffrey S.  
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
; NUMBER OF SEQUENCES: 11  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes  
; STREET: Ten Post Office Square  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/461,592B  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/340,539  
; FILING DATE: 16-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/008,459  
; FILING DATE: 25-JAN-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: James F. Haley, Jr.  
; REGISTRATION NUMBER: 27,794  
; REFERENCE/DOCKET NUMBER: CG-104  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 596-9000  
; TELEFAX: (212) 596-9090  
; TELEX: 34-8367  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 451 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; HYPOTHEICAL: NO  
; ANTI-SENSE: NO  
US-08-461-592B-8

## Query Match

Best Local Similarity 8.4%; Score 189.4; DB 2; Length 451;  
Matches 190; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 890 TCAAGTATTCAGTGTGACCTCTATACACACCAAGTTGGGAGATCATTAAGTACCA 949  
DB 235 TAAAGGATTCAGTGTGACCTCTATACACACCAAGTTGGGAGATCATTAAGTACCA 294  
QY 950 TCCCGTGGCCAGCTTCAGCTTACCTCTGATGATACCTTCATCTGCTCAGAGAACTGA 1009  
DB 295 TCCCGTGGCCAGCTTCAGCTTACCTCTGATGATACCTTCATCTGCTCAGAGAACTGA 354  
QY 1010 GTTAAATGGGAGAAAGAAACCAATTTGTGAATCATCTGGAATCTGTGCTCAATCTAGTCC 1069  
DB 355 GTTAAATGGGAGAAAGAAACCAATTTGTGAATCATCTGGAATCTGTGCTCAATCTAGTCC 414  
QY 1070 AATATGTCAA 1080  
DB 415 AATATGTCAA 425

## RESULT 27

US-08-340-539A-7  
; Sequence 7, Application US/08340539A  
; Patent No. 5808025  
; GENERAL INFORMATION:  
; APPLICANT: Tedder, Thomas F.  
; APPLICANT: Kansas, Geoffrey S.  
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: FISH & NEAVE  
; STREET: 1251 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10020  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/340,539A  
; FILING DATE: 16-NOV-1994  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/008,459  
; FILING DATE: 25-JAN-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Gunnison, Jane  
; REGISTRATION NUMBER: 38,479  
; REFERENCE/DOCKET NUMBER: CG-104 CON  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-596-9000  
; TELEFAX: 212-596-9090  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 712 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-340-539A-7

## Query Match

Best Local Similarity 8.1%; Score 183.8; DB 1; Length 712;  
Matches 185; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 708 GTGATTCAGTGTGAGCCCTTGTGAGGCCCCAGAGCTGGGTACATGAGCTGTACTACCCC 767  
DB 376 GTGATTCAGTGTGAGCCCTTGTGAGGCCCCAGAGCTGGGTACATGAGCTGTACTACCCC 435  
QY 768 TTGGAACTTACGCTTCAGCTCAGACAGTGTGCTTCAGCTGCTGGAAGAACTTA 827  
DB 436 TTGGAACTTACGCTTCAGCTCAGACAGTGTGCTTCAGCTGCTGGAAGAACTTA 495  
QY 828 ACTGGATTTGAAGAAACCAACCTGTGAGACATTTGGAACCTGTGATCTTCACAAACACC 887  
DB 496 ACTGGATTTGAAGAAACCAACCTGTGAGACATTTGGAACCTGTGATCTTCACAAACACC 555  
QY 888 TGTCAAG 894  
DB 556 TGTCAAG 562

## RESULT 28

US-08-461-592B-7  
; Sequence 7, Application US/08461592B  
; Patent No. 5834425  
; GENERAL INFORMATION:  
; APPLICANT: Tedder, Thomas F.

1 APPLICATION NUMBER: 08/252,493  
 2 FILING DATE:  
 3 ATTORNEY/AGENT INFORMATION:  
 4 NAME: Fidel, Seth A.  
 5 REGISTRATION NUMBER: 38,449  
 6 REFERENCE/DOCKET NUMBER: ALX-138  
 7 TELECOMMUNICATION INFORMATION:  
 8 TELEPHONE: (203) 776-1790  
 9 TELEFAX: (203) 772-3655  
 10 INFORMATION FOR SEQ ID NO: 1:  
 11 SEQUENCE CHARACTERISTICS:  
 12 LENGTH: 1592 base pairs  
 13 TYPE: Nucleic Acid  
 14 STRANDEDNESS: Double  
 15 TOPOLOGY: Linear  
 16 MOLECULE TYPE: cDNA to mRNA  
 17 DESCRIPTION: Porcine E-selectin  
 18 HYPOTHEetical: NO  
 19 ANTI-SENSE: NO  
 20 OS-09-276-197-1

Query Match	9.98;	Score 223.4;	DB 3;	Length 1592;
Best Local Similarity	57.88;	Pred. NO. 8e-56;		
Matches 442; Conservative	0;	Mismatches 311;	Indels 12;	Gaps 2

QY	242	CTGGAGCTTACCAATTTATCTGAAAACCCCATGAACCTGGCAAGGGCTGGAAGATCTCCG	301
Db	197	CTGGCTTTACACGGCCTCTACAGAAACCATGACTTTTATATATGCCAGTGGTTATTTCCA	256
QY	302	AAGCAATTACACAGATTTAGTTGCCATACAAACAGGGCGAAATTGAGTATCTGGAAA	361
Db	257	GCAGAGAGTACACACATCTGGTGTGCATTTCAAAACCATGCAAGATGAAATACCTGAACTC	316
QY	362	GACTGTGCCCTTACAGTCTGTCTTACTACTGGATGGAATCCGGAAATAGAGGAATATG	421
Db	317	CACGTTCAACTTTTACGAAGTTACTACTGGATGGAATCAGGAAGATCAATGGTACATG	376
QY	422	GACGTGGGTGGGAACCAACAATCTCTCACAGAAAGACAGAGAACTGGGAGATGGTGA	481
Db	377	GACATGGATAGGGACCAAGAAAGGCTTGACCCCGAGAGCCACCAACTGGGCTCCAGSTGA	436
QY	482	GCCCAACAACAAGAAACAAGAGAGAGTGGTGGGAATCTATATCAAGAAACAAGA	541
Db	437	ACCAAAATATATAGCAAGCAATAGAGAGCTGTGTAAGATCTACATCAAGAGAACAGGA	496
QY	542	TGCAGGCAAAATGGAACGATGAGCGCTCCACCAAACTAAAGGACGCCCTGTGTACAGA	601
Db	497	CTCGGGCAAGTGGAGATGATGAGATGATCGAAGAAAAAAGCTGGCTTGTGCTACAGC	556
QY	602	TTCTTTGCCAGCCCTGGTCTATGCAATGGCCATGGAGAATGTGTAGAAATCATCAATATCA	661
Db	557	TGCCGTGACCCCTCATCTCTGACACGGCCCATGTGGATGCAATGATAGACCATCAATAGCTC	616
QY	662	CACCTCAACCTGATATGTGGGGTACTATGGGGCCCACTGTGCACCTGTGTGATAGTGA	721
Db	617	TACTTTGCCAGTGTACCCCGGCTTCCGAGGCTCTCCAGTGTGAGCAAGTGTGATAGTGA	676
QY	722	GCCTTTGGAGGCCCCAGAGCTGGGTACCAATGAGACTGTACTCACCCCTTTGGAAACTTCAG	781
Db	677	TGCTTTGGAAAAATCTCTGTCAACGGAGTGTGAGATGTGCCCA-----AAGCTTCCC	727
QY	782	CTTAGCTGCACAGTGTGCTCTTACAGTGTCTGTGAAGGAACAACCTTAAGTGGATTAACA	841
Db	728	ATGGAACCAACCTGTGTCAATTTGAGTGTAAAGGAAGGTTTGAACCTAATTTGAGACCTGAGA	787
QY	842	AACCACTGTGGACCAATTGTGAAACTGTGTATCTCCAGAACCAACCTGTCAAGTATTTCA	901
Db	788	CTTGCAATGTATCACTCATCTGGAGAGCTGGAGCGGCAAGAAAGCCAAAGCTGTAAAGCTGTAC	847
QY	902	GTTGTGACCTCTATACAGCACACAGATTTGGGAGATCAAGAACTGTAGGCATCCC---CTGGC	958
Db	848	ATGTGACACCGTGGCCATCTTCAGATAGGTGTAGTGTAGTGTATTAACCACTCTCTTAATGG	907

QY 959 CAGCTTCAGCATTACCTTGCATGTACCCTTCATCTGCTCAGAAG 1003  
|| || || || || || || || || || || || || || || || || ||  
Db 908 AGAGTTTGCCACAAAGTCAACCTGCCACTTCACCTGTGCAGAAG 952

RESULT 25

US-08-340-539A-8  
Sequence 8, Application US/08340539A  
Patent No. 5808025  
GENERAL INFORMATION:  
APPLICANT: Tedder, Thomas F.  
APPLICANT: Kansas, Geoffrey S.  
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
NUMBER OF SEQUENCES: 28  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FISH & NEAVE  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: New York

Query Match	8.48;	Score 189.4;	DB 1;	Length 451;
Best Local Similarity	99.58;	Pred. No. 4.2e-46;		
Matches 190; Conservative	0;	Mismatches 1;	Indels 0;	Gaps 0;

[illegible]

Accession	Sequence	Position
Db	tgagcaaatlaagcctccagaggtgtttagctctgcacagtcgacccacccctgaagatctctgaa	846
Qy	TTGGGGATCATGAACCTGTAGACATCCCCCTGGCCAGCTTTCAGCTTTACCTGGCATATAC	966
Db	cgaggaacaatgatctctgcctctcaattctgcgaaaagatctccaagcatcaagcttagctcgagc	906
Qy	TTTCATCTGCTCAGAGCACTGAGTTATTATTTGGGAGAG	1025
Db	ttcagctctgtagagaggtattctgcatctagctctgaccggagag	945

RESULT 23  
US-08-252-493C-1  
: Sequence 1, Application US/08252493C

```

APPLICANT : Rollins, Scott
APPLICANT : Rother, Russell P.
APPLICANT : Evans, Mark J.
APPLICANT : Matlis, Louis A.
TITLE OF INVENTION: PORCINE E-SELECTIN
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seth A. Fidel
STREET: 25 Science Park, Box 15
CITY: New Haven
STATE: Connecticut
COUNTRY: USA
ZIP: 06511
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 Inch, 750 KB storage
COMPUTER: PC compatible
OPERATING SYSTEM: DOS 6.2
SOFTWARE: Wordperfect 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/252,493C
FILING DATE: June 1, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Fidel, Seth A.
REGISTRATION NUMBER: 38,449
REFERENCE/DOCKET NUMBER: ALX-138
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203) 776-1790
TELEFAX: (203) 772-3655
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1592 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Linear
MOLECULE TYPE: cDNA to mRNA
DESCRIPTION: Porcine E-selectin
HYPOTHETICAL: NO
ANTI-SENSE: NO

```

Query Match	9.9%	Score 223.4	DB 2	Length 1592
Best Local Similarly	57.8%	Pred. NO. 8e-56		
Matches 442; Conservative	0	Mismatches 311	Indels 12	Gaps 2

[illegible]

OY	362	GACTCGCCCCCTTCAAGTCGGTTCTTACTCCTAGATATGAAATCCCGAAGAATTAGAGGAATATG	421
Db	317	CACGTTCACATATTCAGCAAGTTACTACTGGATTGGTAATCAGGAAGATCATANTGGTACATG	376
OY	422	GACGTGGGTGGGAACAACAATATCTTCACAGTAAGAACAGACAGACACTGGGGAGATGGTGA	481
Db	377	GACATGATATAGGAGCAAGAAGAGGCCCTTGACCCCAGAGGCCACCACACTGGGCTCCAGSTGA	436
OY	482	GCCCAACAACAAGAACAAAGAACAGAGACTGGCTGGAGATCTATATCAAGAAAACAAGA	541
Db	437	ACCAAATATATTAAGCAAAAGCAATGAGAGACTGTGTGAAGATCTACATCAAGAGAGACAAAGA	496
OY	542	TGCAGCAAAATGGAAACGATGCGCTCGCACCAAACTAAAGGACGCCCTGTGTTACACAGC	601
Db	497	CTCGGGCAAGTGGATGATGTGAAGATGACAGCAAAAAAGAGCTGCCCTGTGTCTACACAGC	556
OY	602	TTCTTGGCCAGCCCTGGTCATGACAGTGGCCATGAGAAATGTGTAAATATCATATAATCA	661
Db	557	TGCCGTGACCCCTACATCTGACCTGCAGCGGCAGTAGTGATGCATAGACCATATACCTC	616
OY	662	CACCTGCACACTGTATGTGGGGTACTATGGGCCCATGTGCAGTTGTATTCAGTGTGA	721
Db	617	TACTTGCACAGTCAACCCGGCTTCCGAGGGCTTCACATGTGAGAAATGGTTGATAGTGTGA	676
OY	722	GCCTTTGGAGGCCCCAGAGCTGGGGTACCATGAGATGTACTCACCCCTTTGGAAACTTCAG	781
Db	677	TGCTTTGGAAAAATCTGTGCMAAGSAGTCGTGACATGTGCCCA-----MAGCTCCC	727
OY	782	CTTCAGCTCACAGTGTGCGCTTCAGCTGCTCTGAAGGAACAACCTTAACGTGGATTGAAGA	841
Db	728	ATGAAACAACAACCTGTCAATTTGATGTAAAGAAAGCAATTTGAACCTCATGGACTGAGCA	787
OY	842	AACACACGTGGAGACCTTTGGAAACGTGTGTCATCTCCAGAACCAACCTGTCAAGAGATTC	901
Db	788	CTTGCAATGTACTCACTATCTGGAGACTGGAGCGCCAGAAAGCAAGCTGTAAAGCTGTGAC	847
OY	902	GTTGTAGAGCTCTATCAGACACAGATTTTGGGGATCATCAAGCTTAAGCCATCCC---CTGGC	958
Db	848	ATGTGACACCGTCGGCCATCTCTCAGATATGGATGTGAATTTGAACCACTCTCTATTTGG	907
OY	959	CAGCTTCAGCTTACACTCTGTGATGTACCTTCATCTGCTCAGAAAG	1003
Db	908	AGAGTTTGCCTTACAAGTCAACCTGCCACTCACCCTGTGGCAGAAAG	952

RESULT 24  
US-09-276-197-1  
; Sequence 1, Application US/09276197

```

? APPLICANT: Rollins, Scott
? APPLICANT: Rother, Russell P.
? APPLICANT: Evans, Mark J.
? APPLICANT: Malis, Louis A.
? TITLE OF INVENTION: PORCINE E-SELECTIN
? NUMBER OF SEQUENCES: 9
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Seth A. Fiedel
? STREET: 25 Science Park, Box 15
? CITY: New Haven
? STATE: Connecticut
? COUNTRY: USA
?
? ZIP: 06511
?
? COMPUTER READABLE FORM:
? MEDIUM TYPE: 3.5 inch, 750 kb storage
? COMPUTER: PC compatible
? OPERATING SYSTEM: DOS 6.2
? SOFTWARE: Wordperfect 6.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/276,197
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:

```

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FEATURE:
NAME/KEY: POLYA.signal
LOCATION: 3124..3130
OTHER INFORMATION: /note="Potential polyadenylation
OTHER INFORMATION: signal"
PCT-US91-05059-1

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Query Match      13.1%; Score 294.8; DB 5; Length 3144;
Best Local Similarity 57.3%; Pred. No. 1.1e-76;
Matches 533; Conservative 0; Mismatches 397; Indels 0; Gaps 0;

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QY 150 CAGACACCCAGAGGAGCTTATGAAACATCTTCAAGTTGTGGGGTGAGCAATGCTCTGT 209
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 69 CAGAAATTCAGAGAGTGGTCTTTGGAAATTTCCCAATCTTGTCTTCAAGTCCCTGATC 128
QY 210 TGTGATTTCTGGGACATCAGTGAACCTTACTGCTGACTTACCATTATTTCTGAAAAACC 269
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 129 TCTGAATTAACAAACAGAAAGAGTGGCAGCATGACTTATCATTAACAGCAAAAGCA 188
QY 270 ATGAACGGCAAGAGGCTAGAAAGATTCGCCAGACATTTACAGATTTTACTGCCATA 329
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 189 TACTCATGGAATATTTCCGTAATATCTGCCAGAAATCCCTACACAGACTTACTGCGCATC 248
QY 330 CAAAACAAGCGGGAATTTAGTATCTGGAAGAACTCTGCCCTTCACTGCTTACTAC 389
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 249 CAGATTAATAATGAAATTTGATTACTCTCAATAAGTCTTACCTACTACAGCTCTTACTAC 308
QY 330 TGGATAGAAATCCGGAAGATAGAGGAATATGACGTGGTGGGAACCAAAATCTCTC 449
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 309 TGGATTTGGGATCCGAAACAAATTAAGACATGAGCATGGTGGGAACCAAAAGGCTCTC 368
QY 450 ACTGAAGAAGAGAGAACTGTGGAGAGTGTGAGCCCAACAACAACAAGAGAGAGC 509
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 369 ACCACAGAGGCTGAGAACTGGGCTGATATGAACTTAACAACAAGAGAGAGAGAGC 428
QY 510 TGGCTGAGATCTTATATCAAGAGAAACAAGATGAGCAATAGAGATGAGCCCTGC 569
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 429 TGGCTGAGATATATACATTAAGAGTCCGACAGCCCTGCGCAAGTGAATGATGAGCACTGC 488
QY 570 CACAACATTAAGAGCCCTCTGTTACACAGCTTCTTCCAGCCCTGCTCATGAGTGC 629
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 489 TTGAAGAAAAAGACAGCTTGTGTACACAGCTCTCCAGAGCATGTCTCGCAGCAAA 548
QY 630 CATGAGAAATGTGAATATCATATATCAACCTTGAACCTTGAATGATGAGTGGGACTAT 689
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 549 CAAAGAGAGTCTCGAAGACATGCGGAATACCTGCTCTCTGTTACCTTGGATTTAT 608
QY 690 GGGCCCAAGTGTAGCTTGTATTCAGTGTAGAGCTTGTGAGGCCCCAGAGCTGGTACC 749
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 609 GGGCCAGATGTGAATACGTGAGAGAGTGTGAGAACTTGAAGTCCCTCAACAGCTGCTC 668
QY 750 ATGACGTACTACACCTTTGGAAACTTCAAGCTTCAAGTCAAGTGTGCTTCAAGCTGC 809
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 669 ATGAAGCTGACACCCCTCTGGGAAACTTCTTTTAACTGCAAGTCAAGCTTCAAGCTGC 728
QY 810 TCTGAAGAAACAACTTAAGTGGGATTTGAAGAAACACCTTGGAGCACTTGGGAAACG 869
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 729 ACTGAAGGCTTCAAGTAATGGGCCAGCAAGCTGCAATCTTGGCTTCTGGAAATCTGG 788
QY 870 TCATCTCAGAACCAACCTGTCAAGTGAATTCAGTGTAGGCTTATCAAGCAACGATTTG 929
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 789 ACAATATAAGCTCCACAGTGTTTAGCTGCCAGTGGCCACCCCTGAAGATTCCTGAAGCA 848
QY 930 GGGATCATGAAGTATGACATCCCTGGCCAGCTTCAAGCTTCAAGTGTGATGATGATC 989
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 849 GGAACATGATCTGCTTCAATCTGCAAAAGCAATTCAGATCTAGCTGAGCTTC 908
QY 990 ATCTGTCAGAGAGAGCAATTAATTGGGAGAGAAAGAAACATTTGTGATCATCTGGA 1049
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 909 AGTTGTGAGAGGGAATTTGCAATTAAGTGGACCGGAAGTGTGCAATGACAGCTCGGGG 968
QY 1050 ATCTGTCAATCTCTAGTCAATATGTCAA 1079

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Db 969 GTATGACAGCCCCAGCCCACTGTGTAA 998

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RESULT 22
5378464-1
: PATENT: 5378464
: APPLICANT: MCEVER, RODGER P.
: TITLE OF INVENTION: MODULATION OF INFLAMMATORY RESPONSES
: BY ADMINISTRATION OF GMP-140 OR ANTIBODY TO GMP-140
: NUMBER OF SEQUENCES: 32
: CURRENT APPLICATION DATA:
: FILING DATE: 08-MAR-1989
: SEQ ID NO.1:
: LENGTH: 2989
5378464-1

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Query Match      10.6%; Score 240.2; DB 6; Length 2989;
Best Local Similarity 57.6%; Pred. No. 1.3e-60;
Matches 506; Conservative 0; Mismatches 368; Indels 5; Gaps 4;

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QY 150 CAGACACCCAGAGGAGCTTATGAAACATCTTCAAGTTGTGGGGTGAGCAATGCTCTGT 209
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Db 69 CAGAGATCCAGAGAGTCTCTTCCCAATCTTGTCTTCAAGTCCCTGATC 128
QY 210 TGTGATTTCTGGGACATCAGTGAACCTTACTGCTGACTTACCATTATTTCTGAAAAACC 269
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 129 TCTGAATTAACAAACAGAAAGAGTGGCAGCATGACTTATCATTAACAGCAAAAGCA 188
QY 270 ATGAACGGCAAGAGGCTAGAAAGATTCGCCAGACATTTACAGATTTTACTGCCATA 329
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 189 TACTCATGGAATATTTCCGTAATATCTGCCAGAAATCCCTACACAGACTTACTGCGCATC 248
QY 330 CAAAACAAGCGGGAATTTAGTATCTGGAAGAACTCTGCCCTTCACTGCTTACTAC 389
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 249 CAGATTAATAATGAAATTTGATTACTCTCAATAAGTCTTACCTACTACAGCTCTTACTAC 308
QY 330 TGGATAGAAATCCGGAAGATAGAGGAATATGACGTGGTGGGAACCAAAATCTCTC 449
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 309 TGGATTTGGGATCCGAAACAAATTAAGACATGAGCATGGTGGGAACCAAAAGGCTCTC 368
QY 450 ACTGAAGAAGAGAGAACTGTGGAGAGTGTGAGCCCAACAACAAGAGAGAGAGC 509
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 369 ACCACAGAGGCTGAGAACTGGGCTGATATGAACTTAACAACAAGAGAGAGAGAGC 428
QY 510 TGGCTGAGATCTTATATCAAGAGAAACAAGATGAGCAATAGAGATGAGCCCTGC 569
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 429 TGGCTGAGATATATACATTAAGAGTCCGACAGCCCTGCGCAAGTGAATGATGAGCACTGC 488
QY 570 CACAACATTAAGAGCCCTCTGTTACACAGCTTCTTCCAGCCCTGCTCATGAGTGC 629
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 489 TTGAAGAAAAAGACAGCTTGTGTACACAGCTCTCCAGAGCATGTCTCGCAGCAAA 548
QY 630 CATGAGAAATGTGAATATCATATATCAACCTTGAACCTTGAATGATGAGTGGGACTAT 689
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 549 CAAAGAGAGTCTCGAAGACATGCGGAATACCTGCTCTCTGTTACCTTGGATTTAT 608
QY 690 GGGCCCAAGTGTAGCTTGTATTCAGTGTAGAGCTTGTGAGGCCCCAGAGCTGGTACC 749
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 609 GGGCCAGATGTGAATACGTGAGAGAGTGTGAGAACTTGAAGTCCCTCAACAGCTGCTC 668
QY 750 ATGACGTACTACACCTTTGGAAACTTCAAGCTTCAAGTCAAGTGTGCTTCAAGCTGC 809
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 669 ATGAAGCTGACACCCCTCTGGGAAACTTCTTTTAACTGCAAGTCAAGCTTCAAGCTGC 728
QY 810 TCTGAAGAAACAACTTAAGTGGGATTTGAAGAAACACCTTGGAGCACTTGGGAAACG 869
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 729 ACTGAAGGCTTCAAGTAATGGGCCAGCAAGCTGCAATCTTGGCTTCTGGAAATCTGG 788
QY 870 TCATCTCAGAACCAACCTGTCAAGTGAATTCAGTGTAGGCTTATCAAGCAACGATTTG 929
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 789 ACAATATAAGCTCCACAGTGTTTAGCTGCCAGTGGCCACCCCTGAAGATTCCTGAAGCA 848
QY 930 GGGATCATGAAGTATGACATCCCTGGCCAGCTTCAAGCTTCAAGTGTGATGATGATC 989
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 849 GGAACATGATCTGCTTCAATCTGCAAAAGCAATTCAGATCTAGCTGAGCTTC 908
QY 990 ATCTGTCAGAGAGAGCAATTAATTGGGAGAGAAAGAAACATTTGTGATCATCTGGA 1049
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 909 AGTTGTGAGAGGGAATTTGCAATTAAGTGGACCGGAAGTGTGCAATGACAGCTCGGGG 968
QY 1050 ATCTGTCAATCTCTAGTCAATATGTCAA 1079

```

CLASSIFICATION: 424  
PRIOR APPLICATION DATA: US 07/320,408  
APPLICATION NUMBER: 08-MAR-1989  
FILING DATE: 08-MAR-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Pabst, Patrea L.  
REGISTRATION NUMBER: 31,284  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (404)-815-6508  
TELEFAX: (404)-815-6555  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3142 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
US-08-110-158-3

Query Match 13.1%; Score 294.8; DB 1; Length 3142;  
Best Local Similarity 57.3%; Pred No. 1,1e-76;  
Matches 533; Conservative 0; Mismatches 397; Indels 0; Gaps 0;

QY 150 CAGAGCACCAGAGGAGCTTATGGAACATCTTCAAGTTGTGGGGGTGACAATGCTCTGT 209  
DB 69 CAGAGATTCAGAGAGTGTCTTTGGAAATTTCCAACTCCTTGTCTGACAGTCCCTGATC 128  
QY 210 TGTGATTTCTGCGACATCATGGAACCTCTGCTGACCTTACCATTATTTCTGAAAAACC 269  
DB 129 TCTGAACCTAACAAACAGAGAGAGAGTGGCAGCATGACATATCATACAGCAAAAGCA 188  
QY 270 ATGAACCTGGCAAGGGCTGAAAGATTCTGCGAGCAATTAACAGATTAGTGGCATA 329  
DB 189 TACTCTGGAATATTTCCCTTAATTAATCTCCAGAAATCGCTACACGACTTAGGGCATTG 248  
QY 330 CAAACCAAGCGGAAATGATGATCTGAGAAAGACTCTGCTTCACTGCTTCTTACTAC 389  
DB 249 CAGAAATTAATTAATGAAATGATTAACCTCAATTAAGTCTTACCTACTAGAGCTTACTAC 308  
QY 390 TGGATGGAATCCGGAAGATAGGAGAAATATGAGACGTGGGTGGGAACCAAAATCTCTC 449  
DB 309 TGGATTGGGATCCGGAAGCAATTAAGACATGAGACATGGGTGGGAACCAAAAGGCTCTC 368  
QY 450 ACTGAAGAAGCAGAGAACTGGGAGATGGTGAAGCCCAACACAGAAAGAAAGAGAGAC 509  
DB 369 ACCAAGAGAGCTGAGAGAACTGGGCTGATTAATGAACCTTAACAAAGAAAGAAAGAGAGAC 428  
QY 510 TCGCTGGAGATCTATATCAAGAAACAAAGATGACAGCAAAATGGAACGATGAGCCCTGC 569  
DB 429 TCGCTGGAGATCTATCAAGAGTCGCTGACGCCCTGGCAAGTGAATGATGAGCACTGC 488  
QY 570 CACAAACTAAAGGACGCCCTCTGTTACAGAGCTTCTTGCAGCCCTGGCTCATGCACTGCC 629  
DB 489 TTGAAGAAAAACACGCACTGTTACACAGCCTCTCTGACAGACATGTCGACAGCAAA 548  
QY 630 CATGGAATGTGTGAATCAATTAATCAACACCTGCACTGCACTGATGATGGGCTACTAT 689  
DB 549 CAGAGAGAGTGCCTGAGACCAATCGGAACTACACCTGCTCTGTTACCTGGATTTCTAT 608  
QY 690 GGGCCCACTGTCAGCTTGATTCAGTGTGAGCCCTTGGAGGCCCCAGAGCTGGGTACC 749  
DB 609 GGGCCAGATGTGAATACCTGAGAGAGTGTGGAACCTGAGCTGCTCTCAACACGCTGC 668  
QY 750 ATGAGACTGACTCACCCTTTTGGAACTTCACTGACAGTGTGCTTCACTGC 809  
DB 669 ATGAACTGAGCCCTCTGGAACCTCTCTTTAACTCGCAGTGCACCTTCACTGC 728  
QY 810 TCTGAAGAAACAACTTAACCTGGAATGGAAGAACCACTGTGAGCACTTGGAAACCTGC 869  
DB 729 ACTGAGAGGTACCAAGTAATGAGGCCCAAGCAAGCTGGAATGCTTGGCTTCTGGAATCTGC 788  
QY 870 TCATCTCCAGAACCAACTGTCAAGTGAATTCAGTGTGAGCCTCTATACAGCACAGATTTC 929

DB 789 ACAAAATAGCCCTCCACAGTGTAGTGTGCCCAAGTCCACCCCTGAAGATTCCTGAAACA 848  
QY 930 GGGATATGAATGATGAGCCATCCCTGGCCAGCTTACGTTTACCTTCTCATGTACTTC 989  
DB 849 GGAACATGATCTGCTCTTCTGCAAAAGCAATTCACACATGATGCTGACGCTGCACCTTC 908  
QY 990 ATCTGCTCAGAAAGAACTGATGTTAATTTGGGAAGAAAGAAACCAATTTGTCAATCATCTGA 1049  
DB 909 AGTTGGAAGAGGATTTGATTTAGTGGACCGGAAGTGTGCAATGACAGCCTCGGGG 968  
QY 1050 ATCTGCTCAAACTGATGCTCAATATGTCAA 1079  
DB 969 GTATGACAGCCCAAGCCCAAGTGTGTA 998

RESULT 21  
PCT-US91-05059-1

Sequence 1, Application PC/TUS9105059

GENERAL INFORMATION:

APPLICANT: Regents of the Board of the, University of

TITLE OF INVENTION: Functionally Active Selectin-Derived

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESS: Kilpatrick & Cody

STREET: 100 Peachtree Street, Suite 3100

CITY: Atlanta

STATE: Georgia

COUNTRY: US

ZIP: 30303

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US91/05059

FILING DATE: 19910717

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/320408

FILING DATE: 08-MAR-1989

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/554199

FILING DATE: 17-JUL-1990

ATTORNEY/AGENT INFORMATION:

NAME: Pabst, Patrea L.

REGISTRATION NUMBER: 31,284

REFERENCE/DOCKET NUMBER: OMRFL10C1P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 404-572-6508

TELEFAX: 404-572-6555

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 3142 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

HYPOTHETICAL: YES

ANTI-SENSE: YES

FRAGMENT TYPE: N-terminal

ORIGINAL SOURCE:

ORGANISM: Homo sapien

TISSUE TYPE: Blood

CELL TYPE: Endothelial

FEATURE:

NAME/KEY: POLYA\_signal

LOCATION: 2833..2838

OTHER INFORMATION: /note="Potential polyadenylation

OTHER INFORMATION: signals"



TOPOLOGY: Linear  
ANTI-SENSE: no  
US-09-009-490A-88

Query Match 13.7%; Score 310; DB 4; Length 3858;  
Best Local Similarity 60.6%; Pred. No. 4,2e-81;  
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

```

QY 242 CTGAGCTTACCACTTATTCGAAAAACCCATGACCTGCAAGGCGTAGAAGATTCTGCGG 301
DB 203 CTGGCTTTACACACACCTCCACGAGAGCTATGATGAGGCCGCTTATTGTGA 262
QY 302 AGACAAATTACAGATTGATGCTACAAACAGCGGAAATTGATCTGGAGAA 361
DB 263 GCAAGGTACACACACCTGTTGCAATTCAAAACAGAGAGATTGACTTAACATC 322
QY 362 GACTCTGCCCTTCAGCTGTTCTTACTAGATAGAGATCCGAGAGATGAGGAATATG 421
DB 323 CATATTGACCTATTTCACCAAGTTATTACTGATTTGGAATCAGAAAAGTCAACATGTGTG 382
QY 422 GACGTGGGTGGAGACCAACAAATCTCTCAGAGAGAGAGAACTGGGAGATGTGA 481
DB 383 GGTCTGGGTAGAGACCCAGAAACCTCTGACAGAGAGAGCAAGAACTGGCTCCAGGTGA 442
QY 482 GCCCAACAAGAAAGAACAGAGAGAGCTGCTGAGATCTATATCAAGAAACAAAGA 541
DB 443 ACCCAACAATAGGCAAAAAGATGAGAGACTGCTGGAGATCTACATCAAGAGAAAAGA 502
QY 542 TGCAGGCAATGGAACGATGACGCTGCCACAATAAGGCAAGCCCTGTTACACAGC 601
DB 503 TGTGGGCAATGTGGAATGATGAGAGGTGACAGAAAGAAAGCTGCTATGCTACACAGC 562
QY 602 TTCTTGCCAGCCCTGTGCTATGAGAGTGGCCATGAGAAATGTGAGAAATCAATATCA 661
DB 563 TGCCTGTACCAATTAATCTGCAAGTGGCCAGGTGATGTGAGAACCATCAATATTA 622
QY 662 CACCTGCAACTGTGATGTTGGGTACTATGAGGCCGCCAGCTTGATTTGATTCAGTGA 721
DB 623 CACTGCAAGTGTGACACCTGGCTTCAAGTGTGACTCAAGTGTGAGCAAAATGTGACAGTAC 682
QY 722 GCTTTGGAGGCCCCAGAGCTGGGTACATGAGACTGTACTCAACCCCTTTGGAATCTCAG 781
DB 683 ACCCTTGGAGTCCCTGACATGAGAAAGCCCTGTTGCACTCACCCACTGGGAATCTTCAG 742
QY 782 CTTCAGCTCAGAGTGGCTTCAAGTGGCTCTGAGGAAACAACTTAACATGAGATGAGAA 841
DB 743 CTACAAATTTCTCTGCTATATCAAGCTGTGATAGGGGTTACTGCGCAAGCAGATGGAGAC 802
QY 842 AACCACTGTGGACATTTGGAAGCTGATCTCCAGAGAACCAACCTGTCAAGTGAATCA 901
DB 803 CATGCAAGTGTATGCTCTGCGAGAAATGAGAGTGTCTCTATTCCAGCCTGGAATGTGGTTGA 862
QY 902 GTGTGAGCTCTATATCAGACCAAGATTGGGATCATGAACCTGATGCAATCCCTGGCCAG 961
DB 863 GTGTGATGTCTGAGCAAAATTCAGCCCAATGAGTTCGTGGATGTTCCTCAAAAACCTGGGAG 922
QY 962 CTTCAGCTTACCTGTGATGATACCTTCACTGCTCAGAGAGAAAGCAAGCTTAATGGGAA 1021
DB 923 CTTCCTCATGGAACACACCTGTACATTTTGTACTGTGAGAGAGATTTGACTTAATGGGACC 982
QY 1022 GAAGAAACCAATTTGATCATCTGGAATCTGTCAAAATCTAGTCCAATATGTCA 1079
DB 983 CCAAGAGCCTTCAAGTGTACTCATCTGGGAAATTGGGACAAAGCAAGCCAGCTGTAA 1040

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RESULT 18  
US-08-482-073-1  
Sequence 1, Application US/08482073  
Patent No. 6307025  
GENERAL INFORMATION:  
APPLICANT: Hession, Catherine A.  
APPLICANT: Lobb, Roy R.

```

APPLICANT: Goelz, Susan E.
APPLICANT: Osborn, Laurelee
APPLICANT: Benjamin, Christopher D.
APPLICANT: Rosa, Margaret D.
TITLE OF INVENTION: ENDOTHELIAL CELL-LEUKOCYTE ADHESION
TITLE OF INVENTION: MOLECULES (ELAMS) AND MOLECULES INVOLVED IN LEUKOCYTE
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Neave
STREET: 1251 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10020
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,073
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/486,336
FILING DATE:
APPLICATION NUMBER: US 07/608298
FILING DATE: 31-OCT-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US 90/02357
FILING DATE: 27-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/452675
FILING DATE: 18-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/359516
FILING DATE: 01-JUN-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/354151
FILING DATE: 28-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Haley Jr., James F.
REGISTRATION NUMBER: 27,794
REFERENCE/DOCKET NUMBER: B124CIP4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 596-9000
TELEFAX: (212) 596-9090
TELEX: 14-8367
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3863 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-482-073-1

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Query Match 13.7%; Score 310; DB 4; Length 3863;  
Best Local Similarity 60.6%; Pred. No. 4,2e-81;  
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

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QY 242 CTGAGCTTACCACTTATTCGAAAAACCCATGACCTGCAAGGCGTAGAAGATTCTGCGG 301
DB 203 CTGGCTTTACACACACCTCCACGAGAGCTATGATGAGGCCGCTTATTGTGA 262
QY 302 AGACAAATTACAGATTGATGCTACAAACAGCGGAAATTGATCTGGAGAA 361
DB 263 GCAAGGTACACACACCTGTTGCAATTCAAAACAGAGAGATTGACTTAACATC 322
QY 362 GACTCTGCCCTTCAGCTGTTCTTACTAGATAGAGATCCGAGAGATGAGGAATATG 421
DB 323 CATATTGACCTATTTCACCAAGTTATTACTGATTTGGAATCAGAAAAGTCAACATGTGTG 382

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FILING DATE: July 23, 1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/063,167  
FILING DATE: 5/17/93  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/007,997  
FILING DATE: 1/21/93  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/939,855  
FILING DATE: 9/2/92  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/567,286  
FILING DATE: 8/14/90  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane Massey Licata  
REGISTRATION NUMBER: 32,257  
REFERENCE/DOCKET NUMBER: ISPH-0098  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (609) 779-2400  
TELEFAX: (609) 779-8488  
INFORMATION FOR SEQ ID NO: 98:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3858  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
ANTI-SENSE: No  
US-08-344-155C-98

Query Match 13.7%; Score 310; DB 2; Length 3858;  
Best Local Similarity 60.6%; Pred. No. 4.2e-81;  
Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

QY 242 CTGACCTTACCATTTCTGAAAAAACCATGAGTGCAGAAAGGCTGAGAAAGTTCTGCCG 301  
DB 203 CTGGCTTACCAACACCTCCAGGAAGTATGATGATGAGCCAGTCTTATTTGCA 262  
QY 302 AGACAATTACACAGATTAGTGGCATACAAACAGCGGAAATTTGATCTGAGAAA 361  
DB 263 GCAAAAGTACACACCTCGTTGCAATTCAAACAAAGAGATTTGATCTTAACTC 322  
QY 362 GACTTGCCCTTCACTGCTTCTTACTACTAGTAGGATCCGGAAGATGAGAAATATG 421  
DB 323 CATATTGAGTATTCACCAAGTTATTAATGATGATGATGATGATGATGATGATG 382  
QY 422 GAGCTGGGTGGAAACCAAAATCTCTACCTGAGAGAGCAGAGAACTGGGAGATGTGA 481  
DB 383 GGCTGTGGTAGAACCCGAGAAACCTCTGACAGAAAGCCAAAGTGGCTCCAGGTGA 442  
QY 482 GCCCAACACAGAAAGAAACAAGAGAGTGGTGAATCTATATCAAGAAACAAAGA 541  
DB 443 ACCCAACATATGCAAAAAAGATGAGAGTGGTGAATCTATCAAGAAAGAAAGA 502  
QY 542 TGCAGCAAAATGAGAGATGAGAGCTGCACAAACTAAAGGAGCCCTCTGTTACAGC 601  
DB 503 TGTGGGATGTGAGATATGAGAGTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 562  
QY 602 TTTTGGCAGCCGTGTCATGACAGTGGCATGAGAAATGTTAGAAATCATCAATTAATCA 661  
DB 563 TGCCTGTACCAATATACATCTGCTAGTGGCAGAGTGAATGTAGAACATCAATTAATTA 622  
QY 662 CACCTGCACTGTATGTGGGTACTATGGGCCCAAGTGTAGCTTGTGATTCAGTGTGA 721  
DB 623 CACTTGAAGGTGACCTGGCTTCAAGTCAAGTGTAGCAAAATTTGAACTGTAC 682  
QY 722 GCTTTGAGAGCCCAAGCTGGGTACACATGATGATGATGATGATGATGATGATGATG 781  
DB 683 AGCCCTGGAATCCCTGAGCATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 742  
QY 782 CTTACAGTCAACAGTGTGCTTCACTGCTCTGGAAGAAACAACTTAATGAGATTTGAGA 841  
DB 743 CTACAAATTTCTCTGCTATCACTGATAGGGGTTACCTGCCAAGCAGCATGAGAGAC 802

QY 842 AACCACTGTGACCATTTGGAACTGTCATCTCCAGAACCACTGTCAAGTATTTCA 901  
DB 803 CATGAGGTGTATGCTCTGCGAATGAGAGTCTCTTCTTCCAGCTTCAATGTGTTGA 862  
QY 902 GTGTGAGCCTGTATCAGCAGCATTTGGGATCATGATGATGATGATGATGATGATG 961  
DB 863 GTGTATGCTGTGACAAATTCAGCAGCATTTGGGATCATGATGATGATGATGATGATG 922  
QY 962 GTTACGCTTTACCTGTCATGATCTGCTCAGAGAACTGATTAATTTGGGAA 1021  
DB 923 CTTCCTATGAAACACACCTGATGATGATGATGATGATGATGATGATGATGATGAGC 982  
QY 1022 GAAGAAACATTTGTGATCATCTGGAATGTGTCGCAATCTTCTGATATATTTCA 1079  
DB 983 CCAGAGCCTTCACTGATCTGATGATGATGATGATGATGATGATGATGATGATGATA 1040

RESULT 17  
US-09-009-490A-88  
Sequence 88, Application US/09009490A  
Patent No. 630491  
GENERAL INFORMATION:  
APPLICANT: Bennett and Mirabelli  
TITLE OF INVENTION: Oligonucleotide Modulation  
TITLE OF INVENTION: of Cell Adhesion  
NUMBER OF SEQUENCES: 95  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Law Office of Jane Massey Licata  
STREET: 66 East Main Street  
CITY: Marlton  
STATE: NJ  
COUNTRY: USA  
ZIP: 08053  
COMPUTER READABLE FORM:  
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: Windows 95  
SOFTWARE: WORDPERFECT 6.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/009,490A  
FILING DATE: January 20, 1998  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 440,740  
FILING DATE: May 12, 1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 063,167  
FILING DATE: May 17, 1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 969,151  
FILING DATE: February 10, 1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 007,997  
FILING DATE: January 20, 1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 939,855  
FILING DATE: September 2, 1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 567,286  
FILING DATE: August 14, 1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Jane Massey Licata  
REGISTRATION NUMBER: 32,257  
REFERENCE/DOCKET NUMBER: ISPH-0268  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (609) 810-1515  
TELEFAX: (609) 810-1454  
INFORMATION FOR SEQ ID NO: 88:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3858  
TYPE: Nucleic Acid  
STRANDEDNESS: Single





OTHER INFORMATION: /note = SEQ ID NO:2 begins at base pair position 117 and ends  
 OTHER INFORMATION: base pair position 1949.  
 us-08-365-470-2

Query Match 13.7%; Score 310; DB 1; Length 1833;  
 Best Local Similarity 60.6%; Pred. No. 2.9e-81;  
 Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

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QY 242 CTGGACTTACCATTTCTGAAAAACCATGACCTGCAAGGGCTAGAAAGTTCTGCCG 301
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 63 CTGGCTTTACACACCTCTCCAGGAAGCTATGACTTATGATGAGGCCATGCTTATTTGCA 122
QY 302 AGACATTATACACAGATTTTATGCTACAAAACCAAGCGCAATTTAGTATCTGGAGAA 361
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 123 GCAAAAGTACACACCGCTGGTTGCAATTCAAAACCAAGAGATTTGACTTAACTC 182
QY 362 GACTCTGCCCTTCAGTCTCTTACTACTGATGATGGAATCCGGAAGATAGAGAAATG 421
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 183 CATATTGAGCTATTCCACCAGTATTACTGATGATGGAATCAGAAAAGTCAACAATGTGTG 242
QY 422 GACGTTGGTGGGAACCAACAAATCTCTCAGTGAAGAACAGAACAGACTGGGAGATGTGA 481
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 243 GGTCTGGGTAGGAACCCAGAAACCTGTGACAGAAAGCCAAAGACTGGCTCCAGGTGA 302
QY 482 GCCCAACACAAAGAAAGAAAGAGAGAGACTGCGTGGAGATCTATATCAAGAAACAAAGA 541
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 303 ACCCAACAAATAGGCAAAAAGATGAGAGACTGCGTGGAGATCTATCAAGAAAGAAAGAA 362
QY 542 TGCAGGCAATGAGAACGATGAGCCCTGCCCAAACTAAAGSCGCTCTGTACACAGC 601
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 363 TGTGGGCTGTGGATGTGAGAGGTGACAGCAAGAAAGCTGCCCTATCTCTACACAGC 422
QY 602 TTCTTGGCAGCCGTGGTATGATGAGTGGCCATGAGAAATGTATAAATCATCATTAATCA 661
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 423 TGCCCTGACCAATATCATCTGACGTGGCCAGGTGAATGTATGAGACATCAATTAATTA 482
QY 662 CACCTGCAACTGTGATGTGGGTACTATGAGGCCAGTGTGACCTGTGATTCAGTGTGA 721
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 483 CACTTGCAGAGTGTACCCCTGCTTCAGTGGACTCAAGTGTAGCAAAATTTGAACTGTAC 542
QY 722 GCTTTTGGAGGCCCAAGAGCTGGGTACCAAGGACTGTACTCAGCCCTTTGGAACCTTCA 781
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 543 AGCCCTTGGAAATCCCTTCAAGCATGTGAAGCTGTGTTGCAAGTCAACCACCTGGGAACTTCAG 602
QY 782 CTTCAGCTCAGAGTGTGCTCTCAGCTGTGTCGAAGSAACAACTTAATCTGGATTTGAAGA 841
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 603 CTACAAATTTCTCTGCTCTATCAGCTGTGATAGGGGTTACCTGCCAAGCAAGCATGGAGAC 662
QY 842 AACCACTGTGAGACCAATTTGGAACCTGTCTCAGAAACCAACCTGTCAAGTGAATTCGA 901
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 663 CATCAGATGTATGCTCTGTGAGAAAGAGTGTCTTATTCACACCTGCAATGTGTTGA 722
QY 902 GTGTGAGCCCTCTATCAGACACCAAGATTTGGGATATGATGATGATGATGATGATGATG 961
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 723 GTGTGAGTGTGTGCAAAATCAGCAATGGGTTCTGTGAAATGTTTCCAAAAACCTTGAAG 782
QY 962 CTTCAGCTTACCTCTGCTCATGTACTCATCTGCTCAGAAAGAAAGCAATGATTTGAGGA 1021
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 783 CTTCCTCATGTGACACCAACCTGTATGATGATGAGAAAGGATTTAACTAATGGAGAC 842
QY 1022 GAAGAAAAACCAATTTGATGATCTGGAATCTGTCAAAATCTTAAGCAATATGTCGA 1079
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 843 CCAAGAGCTTCAGTGTACTCATCTGTGGAATTTGGGACACAGAGAAAGCAACGTGTAAA 900

```

RESULT 14  
 US-09-209-668-18  
 ; Sequence 18, Application us/09209668A  
 ; Patent No. 6114517  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Monia, Brett P.  
 ; APPLICANT: Xu, Xiaoxing S.

TITLE OF INVENTION: METHODS OF MODULATING TUMOR NECROSIS FACTOR  
 TITLE OF INVENTION: alpha-INDUCED EXPRESSION OF CELL ADHESION MOLECULES  
 FILE REFERENCE: ISPH-0336  
 CURRENT APPLICATION NUMBER: US/09/209,668A  
 NUMBER OF FILING DATE: 1998-12-10  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 18  
 LENGTH: 3834  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (117)..(1949)  
 PUBLICATION INFORMATION:  
 DATABASE ACCESSION NUMBER: M24736/Genbank  
 DATABASE ENTRY DATE: 1994-11-07  
 US-09-209-668-18

Query Match 13.7%; Score 310; DB 3; Length 3834;  
 Best Local Similarity 60.6%; Pred. No. 4.2e-81;  
 Matches 508; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

```

QY 242 CTGGACTTACCATTTCTGAAAAACCATGACCTGCAAGGGCTAGAAAGTTCTGCCG 301
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 179 ctggtcttacaacacctcccaaggaagctatgacttatagtgagccagtgcttattgtca 238
QY 302 AGACATTATACACAGATTTTATGCTACAAAACCAAGCGCAATTTAGTATCTGGAGAA 361
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 239 gcaaaagtacacacacctgtgtgcaattcaaaaagaagaagatgtgacttaaacctc 298
QY 362 GACTCTGCCCTTCAGTCTCTTACTACTGATGATGGAATCCGGAAGATAGAGAAATG 421
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 299 catattgagctatcaccaagttatctatgattgtgaatcagaagaagtcacaatltgt 358
QY 422 GACGTTGGTGGGAACCAACAAATCTCTCAGTGAAGAACAGAACAGACTGGGAGATGTGA 481
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 359 gttctgtgttggaacccagaaacctctgcagagaagaagccaagaacctggtccagttga 418
QY 482 GCCCAACACAAAGAAAGAAAGAGAGACTGCGTGGAGATCTATATCAAGAAACAAAGA 541
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 419 acccaacaataggaagaagaatgagagactgtgtgagatctacatacagaagagaaaaa 478
QY 542 TGCAGGCAATGAGAGAGATGAGCCCTGCCAACAATTAAGSCGCTCTGTACACAGC 601
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 479 tgttgagcatgtgaatgatagtagaggtgtcagcaagaagaagcttgcctatgtacacagc 538
QY 602 TTCTTGGCAGCCGTGGTATGATGAGTGGCCATGAGAAATGTGAAATCATCATTAATCA 661
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 539 tgcctgtaccaatacaatcccgagtgccaggttgaaatgtgtatgagacataataatca 598
QY 662 CACCTGCAACTGTGATGTGGGTACTATGAGGCCAGTGTGACCTGTGATTCAGTGTGA 721
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 599 caactgtcaagtgtgacccctgtcagtgtaacaaagtgtgagcaaatgtgacagctgac 658
QY 722 GCTTTTGGAGGCCCAAGAGCTGGGTACCAAGGACTGTACTCAGCCCTTTGGAACCTTCA 781
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 659 agcccttgaaatcccccgtgagcatgtgaagccgtgttctcagtcacccacgtgaaacttc 718
QY 782 CTTCAGCTTACCTCTGCTCATGTACTCATCTGCTCAGAAAGAAAGCAATGATTTGAGGA 841
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 719 ctacaattctcctgtctatacagctgtgtatagggttacccgtcgaagcatgtgagac 778
QY 842 AACCACTGTGAGACCAATTTGGAACCTGTCTCAGAAACCAACCTGTCAAGTGAATTCGA 901
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 779 catgcagtgatgtctctctgtgagaaatgtgagtgctcctattccagctcgtgaatgtgtga 838
QY 902 GTGTGAGCCCTCTATCAGACACCAATTTGGGAGATGAGAACTGTAGCAATCCCTGGCCAG 961
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 839 gtgtgtgtgtgtgacaatcccaatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 898
QY 962 CTTCAGCTTACCTCTGATGTACTCATCTGCTCAGAAAGAAAGCAATGATTTGAGGA 1021

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QY 453 GAAGAAGCAGAGAACTGGGAGATGTGTAGCCCAACAAGACAGAGGAGACTGC 512  
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DB 312 GAAGAAGCAGAGAACTGGGAGATGTGTAGCCCAACAAGACAGAGGAGACTGC 371  
QY 513 GTGGAGATCTATATCAAGAAACAAGATGCGCAATGGAACGATGACCCCTGCCAC 572  
|||||  
DB 372 GTGGAGATCTATATCAAGAAACAAGATGCGCAATGGAACGATGACCCCTGCCAC 431  
QY 573 AAACCTAAAGCGACCCCTCTGTACACAGCT 602  
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DB 432 AAACCTAAAGCGACCCCTCTGTACACAGCT 461

## RESULT 12

US-08-461-592B-5

Sequence 5, Application US/08461592B

Patent No. 5834425

GENERAL INFORMATION:

APPLICANT: Tedder, Thomas F.

APPLICANT: Kansas, Geoffrey S.

TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS

NUMBER OF SEQUENCES: 11 BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION

CORRESPONDENCE ADDRESS:

ADDRESSEE: Weingarten, Schurgin, Gagnebin &amp; Hayes

STREET: Ten Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/461,592B

FILING DATE:

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/340,539

FILING DATE: 16-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/008,459

FILING DATE: 25-JAN-1993

ATTORNEY/AGENT INFORMATION:

NAME: James F. Haley, Jr.

REGISTRATION NUMBER: 27,794

REFERENCE/DOCKET NUMBER: CG-104

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 596-9000

TELEFAX: (212) 596-9090

TELEX: 14-8367

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 531 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: NO

US-08-461-592B-5

Query Match 17.1%; Score 385.2; DB 2; length 531;  
Best Local Similarity 99.2%; Pred.No. 1.1e-103;  
Matches 387; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 213 GATTTCCTGGCAGCATCATGAGACCTAGCTGACTTACCATATTTCGAAAAACCCATG 272  
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DB 72 GATTTCCTGGCAGCATCATGAGACCTAGCTGACTTACCATATTTCGAAAAACCCATG 131

QY 273 AACTGCAAAAGCGCTAGAGATTCTGCCGAGACAAATTACACAGATTAGTCCATACAA 332  
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DB 132 AACTGCAAAAGCGCTAGAGATTCTGCCGAGACAAATTACACAGATTAGTCCATACAA 191  
QY 333 AACAAAGCGGAAATTGAGTATCTGGAAGAACTCTGCCCTTAGTCGTTCTTACTACTG 392  
|||||  
DB 192 AACAAAGCGGAAATTGAGTATCTGGAAGAACTCTGCCCTTAGTCGTTCTTACTACTG 251  
QY 393 ATAGGAATCCGGAAACATAGGAGGAATATGAGAGTGGTGGGAAACCAAAATCTCTACT 452  
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DB 252 ATAGGAATCCGGAAACATAGGAGGAATATGAGAGTGGTGGGAAACCAAAATCTCTACT 311  
QY 453 GAAGAAGCAGAGAACTGGGAGATGTGTAGCCCAACAAGACAGAGGAGACTGC 512  
|||||  
DB 312 GAAGAAGCAGAGAACTGGGAGATGTGTAGCCCAACAAGACAGAGGAGACTGC 371  
QY 513 GTGGAGATCTATATCAAGAAACAAGATGCGCAATGGAACGATGACCCCTGCCAC 572  
|||||  
DB 372 GTGGAGATCTATATCAAGAAACAAGATGCGCAATGGAACGATGACCCCTGCCAC 431  
QY 573 AAACCTAAAGCGACCCCTCTGTACACAGCT 602  
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DB 432 AAACCTAAAGCGACCCCTCTGTACACAGCT 461

## RESULT 13

US-08-365-470-2

Sequence 2, Application US/08365470

Patent No. 5632991

GENERAL INFORMATION:

APPLICANT: Gimbirone, Jr., Michael A.

TITLE OF INVENTION: Antibodies Specific For E-selectin And The Uses

TITLE OF INVENTION: Thereof

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:

ADDRESSEE: STERNE, KESSLER, GOLDSTEIN &amp; FOX

STREET: 1100 New York Ave., NW

CITY: Washington

STATE: DC

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/365,470

FILING DATE: herewith

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/102,510

FILING DATE: 05-AUG-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/850,802

FILING DATE: 13-MAR-1992

REFERENCE/DOCKET NUMBER: 0627.1350003

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600

TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1833 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

FEATURE:

NAME/KEY: nucleic acid

LOCATION: 1-1833.

OTHER INFORMATION: / label = nucleic acid

Db	489	tgtagagctctatatacaagagggaagagactctcggaaatggaaacagatgaagccttgta	548
QY	572	CAAACTAAAGCAGCCCTCTCTTACACAGCTTCTTGCCAGCCCTGGTCATGACAGTGCCA	631
Db	549	caaaagaaaggagcctctctctgtacacagcctcttcgcagccagggtctctgcaatgcccg	608
QY	632	TGGAAGATGTGAGAAATCATCATTAATTCACACCTGCACCTGATGTGGGGTACTAGT	691
Db	609	tggagaaatglttggaaactatacaacaatacaagtgacatcttggatgacagggatataagg	668
QY	692	GCCCCAGTGCAGCTTGTGATTCAGTGTGAGCCCTTTGGAGGCCCCAGACCTGGGTACAT	751
Db	669	gccccagtgtaagtatgtgtgtcagtgltgagcccttggaggcccttgagttggtaacat	728
QY	752	GGACGTGTCACACCCCTTTGGAACTTCACGCTTCAGCTCAGATGTGGCTTCAGCTGC	811
Db	729	ggaatgcacaccccttggaaacttcagcttcagtcgaatgtgtcttcaactgttc	788
QY	812	TGAAGAACAACTTAACTGGGATTTGAAGAACACACCTGTGGACCAATTTGGAAACGTGC	871
Db	789	tggagggaagagagctacttggacttggagaacaacagttgtagagctctcggaaactgttc	848
QY	872	ATCTCAGAACCAACCTGTACATGATTCAGTGTGAGCTCTATACAGACCAAGATTTGGG	931
Db	849	atctccagagcaaatctggcaaatgtgtccagttgtgagccttbgaggcccttgagttgg	908
QY	932	GATCATGAACGTGTAGCCATCCCGTGGCACCTTCAGTTTACCTGCATGTACCTGCAT	991
Db	909	taccatgtactgtatccaccccttgggaacttcagcttccagctcgaagtgtgttcaa	968
QY	992	CTGCTCAGAGGAACGTAGTTAATTGGGAGAAAGAAACCATTTGTGAATCATCTGGAAT	1051
Db	969	ctgtcttgagggaagagagctacttggactgtgagaaacaacagttgtagagcatctggaa	1028
QY	1052	CTGGCAAAATCCCTGATTCATATGTCAAAAATTTGACAAAAAGTTTCTCATATATTAAGA	1111
Db	1029	ctggacacatccagagcaaatctggcaagagacaacaagaatcttcaagaataaaga	1088
QY	1112	GGGTGATTAATACCCCTCTTTCATATTCAGTGGCAGTCAATGATTTAGCTATTCGGGTT	1171
Db	1089	aggtgtactacaacccctcttcaatctctgtagcgtcatgtgtacacagatctctcgggct	1148
QY	1172	GGCATTTATCTTTTGGCTGGCAAGAGAGATTAAAAAAGCAAGAAATTCACAGAGAAT	1231
Db	1149	ggcaatctcaatctgtgtcggcaagcgtgtaaaaaaaggcaagaatcttcagaaagaagt	1208
QY	1232	GAATGACCCATTAATTAATTCGCCCTGTGGTGAAGAAATAATCTTG-----GAAATCTTAA	1284
Db	1209	ggatgtacatccatctgactatccttcttggtaaggaagccaatgaatgtctaagaagaa	1268
QY	1285	AATCATAGATCCTTTAATCTTTCATGAGAAACGTTTGTGTGGCACCCTCTCAAGTC	1344
Db	1269	catgtgaaataaagctcaagctccctccgtagaagattttacacgacgtatccacaatt	1328
QY	1345	AAACATGAAGTGTTCCTTCAGTGCATCGTGGGAATTTTACCCGACCAACATTTCT	1404
Db	1329	agaaatgacatgtgttcg-ccaagcaatcggaaagatttcttcatagcacaacgctctc	1366
QY	1405	TCAGCTTCACATTTGCCCTCATTTATTCCTCAACCCCGACGCCACAGAGTGTATTACG	1464
Db	1387	cttaattcccttcogtcataatcccatcaaccatcccaatgtgtgtctataaag	1446
QY	1465	CTCAGCTTTTGTCTTTTTCGAGAGAAACAATAAGACCATTAAGGGAAGAGATCATGT	1524
Db	1447	agtagtatattatcatatcttctcgttggaggaa-----aagcaaaatgtttactgt	1497
QY	1525	GAATATTAAGAGTGGCGACTTTGGCTTTCATGATCTGTGTTTCAGTTCAATTAAGT	1584
Db	1498	agaaataaagaacagctgtcttactccttccctaactctgttccctatgtccaatcagc	1557
QY	1585	GCTGTACTGTAGACAGACACTTCTAATGAAGTGCMAATTTGATACATATGTGAATATG	1644

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Db      1558  acgaagacatcgtccaaacac-----agtgaaatatgatcatgatgaatgga 1607
QY      1645  GACTCAGTTTCTTTCGAGAT 1664
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Db      1608  aactcagactccttcgcgat 1627

RESULT  11
US-08-340-539A-5
/ Sequence 5, Application US/08340539A
/ Patent No. 5808025
/ GENERAL INFORMATION:
/ APPLICANT: Tedder, Thomas F.
/ TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
/ TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
/ NUMBER OF SEQUENCES: 28
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: FISH & NEAVE
/ STREET: 1251 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10020
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/340,539A
/ FILING DATE: 16-NOV-1994
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/008,459
/ FILING DATE: 25-JAN-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Gunnison, Jane
/ REGISTRATION NUMBER: 38,479
/ REFERENCE/DOCKET NUMBER: CG-104 CON
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 212-596-9000
/ TELEFAX: 212-596-9090
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 531 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
US-08-340-539A-5

Query Match      17.1%, Score 385.2; DB 1; Length 531;
Best Local Similarity 99.2%; Pred. No. 1.1e-103;
Matches 387; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY      213  GATTCCTCGGCACATCATGAGAACCTCACTGCTGAGACTTACCATTTATTCGAAAAACCCATG 272
Db      72   GATTTCTCGGCACATCATGAGAACCGACTGCTGAGACTTACCATTTATTCGAAAAACCCATG 131
QY      273  AACTGGCAAGGGCTAGAGAATTCTGCGGAGACAATTACACAGATTTTGGTSCATACAA 332
Db      132  AACTGGCAAGGGCTAGAGAATTCTGCGGAGACAATTACACAGATTTTGGTSCATACAA 191
QY      333  AACGAAGCGGAATTTGAGTATCTGGAGAGAAGACTGTGCCCTTCAGTGTCTTACTACTGG 392
Db      192  AACGAAGCGGAATTTGAGTATCTGGAGAGAAGACTGTGCCCTTCAGTGTCTTACTACTGG 251
QY      393  ATAGGAATCCGAAGATGTGAGAGAAATATGAGCGTGGTGGGGAACCAACAATAATCTCTACT 452
Db      252  ATAGGAATCCGAAGATGTGAGAGAAATATGAGCGTGGTGGGGAACCAACAATAATCTCTACT 311

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QY 392 GATAGGAATCCGGAGATAGAGGAATATGACGTGGTGGGAGACCAACAAATCTCTCAC 451
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Db 369 GATAGGAATTCAGGAAATATGGGAAATATGGACATGGGTGGGAGACCAACAAATCTCTCAC 428
QY 452 TGAAGAACAGAGAACTGGGAGATGTGAGCCCAACAACAAGAAAGACAGAGAGACTG 511
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Db 429 TAAAGAACAGAGAACTGGGAGTGTGGGAGGCCAAACAAGAAATGCCAACAGAGAGACTG 488
QY 512 CGTGAGATCTATATCAAGAGAAACAAGATGACGAGCAAAATGGAAGATGAGCCCTGCCA 571
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Db 489 TGTGAGATCTATATCAAGAGAGGAAACGAGACTCTGGGAAATGGAAGCATGAGCCCTGTCA 548
QY 572 CAAGCTAAAGGAGAGCCCTCTGTTTACACAGCTTCTTGCCAGCCCTGTGATGACAGTGGCCA 631
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Db 549 CAAGCTAAAGGAGAGCTCTGTCTACACAGCCCTTGCCAGGCCAGGATGTGGAATGGCCG 608
QY 632 TGGAGATGTGTAGAAATCATCAATATACACCTGCAACTGTGATGTGGGTACTATGG 691
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Db 609 TGGAGAAATGTGTGAAACTATCAACAATCACAGTGCATCTGTGATGACAGGATATTACGG 668
QY 692 GCCCCAGTGTGAGCTTGTGATTCAGTGTGAGCCCTTGGAGGCCCAAGAGCTGGGTACCAT 751
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Db 669 GCCCCAGTGTGATGTGTGTGTGAGTGTGAGCCCTTGGAGGCCCTGAGTGTGGTACCAT 728
QY 752 GGAAGTGTACTCAGCCCTTGGAAACTTGCAGCTCAGCTCAGTGTGCTTGCAGTGTGCTC 811
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Db 729 GGAAGTGTACTCAGCCCTTGGGAAACTTGCAGCTCAGTGTGAGTGTGCTTGCAGTGTGCTC 788
QY 812 TGAAGCAACAACTTAACTGGGATTTGAAGAAACACACCTGTGGACCATTTGGAACCTGCTC 871
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Db 789 TGAAGCAAGAGAGTAACTTGTGGAGCTGACAGAAACACAGTGTGGAGCATCTGGAACCTGCTC 848
QY 872 ATCTCAGAACCACTGTGAGTATTCAGTGTGAGCCCTATACAGACCGAGATTTGGG 931
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Db 849 ATCTCAGAACCACTGTGAGTGTGAGTGTGAGCCCTTGGAGGCCCTGAGTGTGGG 908
QY 932 GATCATGAACTGTAGCAATCCCTGGCCAGCTTTCAGCTTTCAGCTGATGATCTTCAT 991
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Db 909 TACCATGAACTGTAGCAATCCCTTGGGAAACTTTCAGCTTTCAGCTGATGATCTTCAT 968
QY 992 CTGCTCAGAGAGAACTGACTTAAATGGGAGAGAAACCAATTTGATCATCTGTGAAAT 1051
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Db 969 CTGCTCAGAGAGAACTGACTTAAATGGGAGAGAAACCAATTTGATCATCTGTGAAAT 1028
QY 1052 CTGGTCAATCTCTAGTCAATATGTCAAAATTTGAGCAAAATTTCTCAATGATTAAGGA 1111
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Db 1029 CTGGTCAATCTCTAGTCAATATGTCAAAATTTGAGCAAAATTTCTCAATGATTAAGGA 1088
QY 1112 GGGTGAATTAACCCCTCTTCATTCAGTGTGAGTGTGATGATGATCTCTGTGGT 1171
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Db 1089 AGGTGACTTAACAAACCCCTCTTCATTCAGTGTGAGTGTGATGATGATCTCTGTGGT 1148
QY 1172 GGCATTTATCATTTGGCTGGGAGAGATTAAGAAAGGCAAGAAATCCAGAGAAATAT 1231
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Db 1149 GGCATTTATCATTTGGCTGGGAGAGGCTTAAAGAAAGGCAAGAAATCCAGAGAAATAT 1208
QY 1232 GAATGACCACTTAAATCGCCCTTGTGAAAGAAATTTCTTG-----GAATGCTAAA 1284
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Db 1209 GGAATGACCACTTAAATCGCTTGTGAAAGAAATTTCTTG-----GAATGCTAAA 1268
QY 1285 AATCATGATGATCCTTAAATCGCTTGTGAAAGAAATTTCTTG-----GAATGCTAAA 1344
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Db 1289 CATTTGAAATTAAGCTCAAGTCTCTCCGGAAGATTTTACAGCGAGGACTCTCCCAAT 1328
QY 1345 AAACATGAAGTGTCTCTCTGAGTGTGAGGAAATTTCTACCCGAGCAACAGATTCCT 1404
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1329 AGAGATGAAGTGTCTCTCTGAGTGTGAGGAAATTTCTACCCGAGCAACAGATTCCT 1386
QY 1405 TCAGCTCATTTGCGCCCTCATTTATCCCTCAACCCCGAGCCAGAGTGTGTTTATACG 1464
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1387 CCTATTTTCCCTCGCTCATTCATCCCATTAACCTATCCCATTAATGTGTCTATACAG 1446
QY 1465 CTCAGCTTTTGTCTTTCTGTGAGGAGAAACAATTAAGACCATTAAGGAAAGATTCATGT 1524
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Db 1447 ACTAGATTTTATCATCTTTCTGTGAGAGAAC-----AAGCAAAAGTGTACTGT 1497
QY 1525 GGAATATAAGATGGCTGACTTGTGCTCTTCTGTGACTCTGTGTTTCAGTTCAATTCAGT 1584
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1498 AGAATATAAGACACTGCTTGTACTCTTCTTAACTCTGTTTCTTAAATTCAGC 1557
QY 1585 GCTGTACTGTATGACAGACACTTAAATGAAGTCAAAATTTGATACATATGTGAATATG 1644
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1558 ACAGAAAGCTAATGCCAAGAC-----AGTGAATAATATGATTCATGATTAATGGA 1607
QY 1645 GACTCAGTTTCTTGCAAGT 1664
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Db 1608 AACTCAGACTCCTTGCGCAT 1627

RESULT 10
5514582-3
: Patent No. 5514582
: APPLICANT: CAPON, DANIEL J.; LASKY, LAURENCE A.
: TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID
: IMMUNOGLOBULINS
: NUMBER OF SEQUENCES: 43
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/185,670
: FILING DATE: 21-JAN-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 986,931
: FILING DATE: 08-DEC-1992
: APPLICATION NUMBER: 808,122
: FILING DATE: 16-DEC-1991
: APPLICATION NUMBER: 440,625
: FILING DATE: 22-NOV-1989
: APPLICATION NUMBER: 315,015
: FILING DATE: 23-FEB-1989
: SEQ ID NO:3
: LENGTH: 2214
5514582-3

Query Match 37.9%; Score 856.8; DB 6; Length 2214;
Best Local Similarity 73.4%; Pred. No. 4.1e-242;
Matches 1160; Conservative 0; Mismatches 392; Indels 28; Gaps 4;
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OY	1227	ACTATGATGAGCCCATATTTAAATGCGCCCTGGGAAAGAAATTCCTGTGAATACATAAA	1288
Db	308	ATTATGAAATGACCAATATTAATGCGCCCTGGGAAAGAAATTCCTGTGAATACATAAA	367
OY	1287	TCATAGATTCCTTTAAATTCCTTCATGAACGTTTTGTGTGGGACACTCCTACGTCAA	1346
Db	368	TCATAGATTCCTTTAAATTCCTTCATGAACGTTTTGTGTGGGACACTCCTACGTCAA	427
OY	1347	ACATGAAGTGTG-1TTCCTTCAGTGCATCTGGAAGAATTTCTACCCGACCAACAGTTCCT	1405
Db	428	ACATGAAGTGTGTTCCCTTCAGTGCATCTGGAAGAATTTCTACCCGACCAACAGTTCCT	487
OY	1406	CAGCTTCATTTGCGCCCTCATTTATCCCAACCCCGACGCCACAGAGGTTTATACGC	1465
Db	488	CAGCTTCATTTGCGCCCTCATTTATCCCAACCCCGACGCCACAGAGGTTTATACGC	547
OY	1466	TCAGCTTTTGTCTTTCTGAGGAGAAACAATTAAGCCAT-AAGGAGAAAGGATTCATGT	1524
Db	548	TCAGCTTTTGTCTTTCTGAGGAGAAACAATTAAGCCATTAAGGAGAAAGGATTCATGT	607
OY	1525	GGAATATPAAGATGGCGACTTGGCTCTTCTTGACTCTGTGTTTCAGTTCAATTCAGT	1584
Db	608	GGAATATPAAGATGGCGACTTGGCTCTTCTTGACTCTGTGTTTCAGTTCAATTCAGT	667
OY	1585	GCTGTACTGTATGACACACACTCTTAATTAAGAGTCAAAATTTGATACATATGTGAATATG	1644
Db	668	GCTGTACTGTATGACACACACTCTTAATTAAGAGTCAAAATTTGATACATATGTGAATATG	727
OY	1645	GACTCAGTTTTCTTGAGATCAAAATTTCAAGTCGTCTCTGTATACGTGGAGGTACACT	1704
Db	728	GACTCAGTTTTCTTGAGATCAAAATTTCAAGTCGTCTCTGTATACGTGGAGGTACACT	786
OY	1705	CTTATAGAAAGTTCAAAAATCTAGAGCTGCGCTCTCTTTCTTACACCGAGTAATATGG	1764
Db	787	CT-----ATGAGTCAAAATCTAGAGCTGCGCTCTCTTTCTTACACCGAGTAATATGG	841
OY	1765	GGTCCCTGCTCAAGTTGAAAGAGTCTTAATTTGACACTGATAGCCGCGCTGTGAATTTGA	1824
Db	842	GGTCCCTGCTCAAGTTGAAAGAGTCTTAATTTGACACTGATAGCCGCGCTGTGAATTTGA	901
OY	1825	CCATCCATTTTAAGCTGGCTTCAAGGCTCCCACTCTTTCAGCCACCTCTCTTTTCAGT	1884
Db	902	CCATCCATTTTAAGCTGGCTTCAAGGCTCCCACTCTCTTTTCAGT	960
OY	1885	TGGCTGACTTCCACACCTAGCATCTATAGAGGCCAAGCAAAAGAGAGAAAGAGAAT	1944
Db	961	TGGCTGACTTCCACACCTAGCATCTATAGAGGCCAAGCAAAAGAGAGAAAGAGAAT	1020
OY	1945	AGCCGTGCGGGTTTTAGTTTGGGGGTTTTCTTCCTCTTTATGAGACCCATTCCTA	2004
Db	1021	AGCCGTGCGGGTTTTAGTTTGGGGGTTTTCTTCCTCTTTATGAGACCCATTCCTA	1080
OY	2005	TTTTCTTATATCAATGTCTCTTTTATCAGAGATATTTAGTAAGAAAACATCACTGAAT	2064
Db	1081	TTTTCTTATATCAATGTCTCTTTTATCAGAGATATTTAGTAAGAAAACATCACTGAAT	1140
OY	2065	GCTAGCTGCAAGGACATCTCTTGATGTGCATATGAGAGAGTTTAAAAAGGTGGAGAAAT	2124
Db	1141	GCTAGCTGCAAGGACATCTCTTGATGTGCATATGAGAGAGTTTAAAAAGGTGGAGAAAT	1200
OY	2125	TGCTTGATTCACATGAATGCTCTCTTTGCCCTGCCCCAGAACTTTATCCACTTAC	2184
Db	1201	TGCTTGATTCACATGAATGCTCTCTTTGCCCTGCCCCAGAACTTTATCCACTTAC	1260
OY	2185	CTGAGATTCATCAATTCCTTTAATTTCAATCTCAGGCTCCCTCAACCCGAC	2235
Db	1261	CTGAGATTCATCAATTCCTTTAATTTCAATCTCAGGCTCCCTCAACCCGAC	1311

RESULT 9  
US-08-513-278-3  
; Sequence 3, Application US/08513278  
; Patent No. 5840844

1 GENERAL INFORMATION:  
2 APPLICANT: LASKY, LAURENCE A.  
3 APPLICANT: STACHELL, SCOTT E.  
4 APPLICANT: ROSEN, STEVEN D.  
5 APPLICANT: SINGER, MARK S.  
6 APPLICANT: YEDNOK, TED A.  
7 TITLE OF INVENTION: LYMPHOCYTE HOWING RECEPTORS  
8 NUMBER OF SEQUENCES: 6  
9 CORRESPONDENCE ADDRESS:  
10 ADDRESSEE: Genentech, Inc.  
11 STREET: 460 Point San Bruno Blvd  
12 CITY: South San Francisco  
13 STATE: California  
14 COUNTRY: USA  
15 ZIP: 94080  
16  
17 COMPUTER READABLE FORM:  
18 MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk  
19 COMPUTER: IBM PC compatible  
20 OPERATING SYSTEM: PC-DOS/MS-DOS  
21 SOFTWARE: palin (Genentech)  
22 CURRENT APPLICATION DATA:  
23 APPLICATION NUMBER: US/08/513,278  
24 FILING DATE: 10-AUG-1995  
25 CLASSIFICATION: 5530  
26  
27 PRIOR APPLICATION DATA:  
28 APPLICATION NUMBER: 08/059027  
29 FILING DATE: 06-MAY-1993  
30 APPLICATION NUMBER: 07/786149  
31 FILING DATE: 31-OCT-1991  
32 PRIOR APPLICATION DATA:  
33 APPLICATION NUMBER: 07/315015  
34 FILING DATE: 23-FEB-1989  
35 ATTORNEY/AGENT INFORMATION:  
36 NAME: Dreyer, Ginger R.  
37 REGISTRATION NUMBER: 33,055  
38 REFERENCE/DOCKET NUMBER: 565D1c1  
39 TELECOMMUNICATION INFORMATION:  
40 TELEPHONE: 415/225-3216  
41 TELEFAX: 415/952-9881  
42  
43 TELE: 910/371-7168  
44 INFORMATION FOR SEQ ID NO: 3:  
45 SEQUENCE CHARACTERISTICS:  
46 LENGTH: 2214 bases  
47 TYPE: nucleic acid  
48 STRANDEDNESS: single  
49 TOPOLOGY: linear  
50  
51 US-08-513-278-3

	Query Match:	37.9%;	Score 856.8;	DB: 2;	Length 2214;
	Best Local Similarity	73.4%;	Pred. No. 4,1e-242;		
	Matches 1160;	Conservative	0;	Mismatches 392;	Indels 28; Gaps 4;
QY	GGGTCGACGAAGAACTAGAGAAGAGCAACCAACCCATGATATTTCCTAGGAATGTCA	151			
Db	GGCTTGAGAGAGACTTGCAGAGAACCCAGAACCCATGGTGTTCCTACGGAGATGTGA	128			
QY	GAGCACCCAGAGGGACTTATGGACATCTTCAAGTTGTGGGGGTGACAAATGCTGTGTTG	211			
Db	GGGACTACTACTGGGGCTCGAGGACATCTCTGAAGTGTGGGTCTGGACACTGCTGTGTTG	188			
QY	TGATTTCTTGCGACATCATGAACTACTGCTGAGCTTACCATTAATTTGTGAAAAACCAT	271			
Db	TGACTTCTTGATACACCATGAGAACTCACTACTGTGGACTTACCATTAATTTGTGAAAAACCAT	248			
QY	GAACTGGCAAAAGGCTTAGAAGATTTCGCCGAGACAAATTACACAGATTTAGTTCCTACATACA	331			
Db	GAACTGGGAAAATGCTAGAAAGTTCTCGAACAAATAATTACAGATTTAGTTCGCCATACACA	308			
QY	AAACAAGGGGGAATTGATATCTGGAGAAACATCTGCGCTTACAGTGTCTTACATACAG	391			
Db	AAACAAGAGAAATTGATATTTAGAAATCAATTCGGCCAAAAGGCCCTTATTTACATACAG	368			

ATTORNEY/AGENT INFORMATION:  
NAME: Gunnison, Jane  
REGISTRATION NUMBER: 38, 479  
REFERENCE/DOCKET NUMBER: CG-104 CON  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-596-9000  
TELEFAX: 212-596-9090  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1696 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-340-539A-11

Query Match 40.8%; Score 922.2; DB 1; Length 1696;  
Best Local Similarity 97.8%; Pred. No. 2.1e-261;  
Matches 989; Conservative 0; Mismatches 13; Indels 9; Gaps 5;

QY 1227 AGTATGAATGACCCATATTAATCCGCCCTTGTTGGAAGAAATTTCTTGGAATACATAAA 1286  
DB 308 AGTATGAATGACCCATATTAATCCGCCCTTGTTGGAAGAAATTTCTTGGAATACATAAA 367  
QY 1287 TCATGAGATCCTTTAAATCCCTTCATGAAAGCTTTTGTGTGGACCTCTACGTCAA 1346  
DB 368 TCATGAGATCCTTTAAATCCCTTCATGAAAGCTTTTGTGTGGACCTCTACGTCAA 427  
QY 1347 ACATGAAGTGTG-TTCCTTCAGTGCATCTGGAGAGATTTCTACCCGACCAAGTTCCTT 1405  
DB 428 ACATGAAGTGTGTTTCCTTCAGTGCATCTGGAGAGATTTCTACCCGACCAAGTTCCTT 487  
QY 1406 CAGCTTCCATTTCCGCCCATTTATCCCTCAACCCCGCCACAGAGTGTATACAC 1465  
DB 488 CAGCTTCCATTTCCGCCCATTTATCCCTCAACCCCGCCACAGAGTGTATACAC 547  
QY 1466 TCAGCTTTTGTCTTTTTCGAGAGAAACAATAAGACCAT-AAGGAAAGGATTCATGT 1524  
DB 548 TCAGCTTTTGTCTTTTTCGAGAGAAACAATAAGACCATAAAGGAAAGGATTCATGT 607  
QY 1525 GGAATATGAAGTGCCTGACTTTCCTTCTTGACTCTTGTGTTTCAGTTCAATTCACT 1584  
DB 608 GGAATATGAAGTGCCTGACTTTCCTTCTTGACTCTTGTGTTTCAGTTCAATTCACT 667  
QY 1585 GCTGACTTGAAGACAGACCTTAAATGAGTGCATTTGATACATATGTGAATAG 1644  
DB 668 GCTGACTTGAAGACAGACCTTAAATGAGTGCATTTGATACATATGTGAATAG 727  
QY 1645 GACTGAGTTTCTTCAGATCAAAATTTACGTCTTCTGTATCTGTGAGAGTACACT 1704  
DB 728 GACTGAGTTTCTTCAGATCAAAATTTCCGCTGCTCTTCTGTATAC-GTGGAGGTACACT 786  
QY 1705 CTTATGAAGTCAAAAAGTCTACGCTCTCTTCTTCTTCACTCCAGTGAAGTAATGG 1764  
DB 787 CT-----ATGAAGTCAAAAAGTCTACGCTCTCTTCTTCTTCACTCCAGTGAAGTAATGG 841  
QY 1765 GGTCTGCTCAAGTGAAGAGTCTATTTGACGTGACCTGGCCGCTGTGAATGGA 1824  
DB 842 GGTCTGCTCAAGTGAAGAGTCTATTTGACGTGACCTGGCCGCTGTGAATGGA 901  
QY 1825 CCATCCTATTTAACTGGCTTCAGGCCCTCCACCTTCTTCACGCACTCTCTTTTCAGT 1884  
DB 902 CCATCCTATTTAACTGGCTTCAGGCCCTCCACCTTCTTCACGCACTCTCTTTTCAGT 960  
QY 1885 TGGCTGACTCCACACCTAGCATCTCATGAGTGCACCAAGCAAAAGAGAGAGAGAAAT 1944  
DB 961 TGGCTGACTCCACACCTAGCATCTCATGAGTGCACCAAGCAAAAGAGAGAGAGAAAT 1020  
QY 1945 AGCCGCGCGGCTTTTGTAGTTGGGGGTTTGTCTTCTTCTTATGAGACCATTTCTTA 2004  
DB 1021 AGCCGCGCGGCTTTTGTAGTTGGGGGTTTGTCTTCTTCTTATGAGACCATTTCTTA 1080

QY 2005 TTCTTATAGTCAATGTTCTTTTATCAGATATTTAGTAAGAAACATCACTGAAT 2064  
DB 1081 TTCTTATAGTCAATGTTCTTTTATCAGATATTTAGTAAGAAACATCACTGAAT 1140  
QY 2065 GCTAGCTCAAGTACATCTCTTTGATGTCATATGGAAGAGTTAAACAGGTGAGAAAT 2124  
DB 1141 GCTAGCTCAAGTACATCTCTTTGATGTCATATGGAAGAGTTAAACAGGTGAGAAAT 1200  
QY 2125 TCCTTGATTCACAAATGAGTGTCTTCCCTCCGCCCCGAGAACTTTATCCACTTAC 2184  
DB 1201 TCCTTGATTCACAAATGAGTGTCTTCCCTCCGCCCCGAGAACTTTATCCACTTAC 1260  
QY 2185 CTAGATTCTACATATTTCTTAAATTCATCTGAGGCTCCCTCAACCCAC 2235  
DB 1261 CTAGATTCTACATATTTCTTAAATTCATCTGAGGCTCCCTCAACCCAC 1311

RESULT 8  
US-08-461-592B-11  
Sequence 11, Application US/08461592B  
Patent No. 5834425  
GENERAL INFORMATION:  
APPLICANT: Tedder, Thomas F.  
APPLICANT: Kansas, Geoffrey S.  
TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes  
STREET: Ten Post Office Square  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/461,592B  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/340,539  
FILING DATE: 16-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/008,459  
FILING DATE: 25-JAN-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: James F. Haley, Jr.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: CG-104  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 596-9000  
TELEFAX: (212) 596-9090  
TELEX: 14-8367  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1696 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-461-592B-11  
Query Match 40.8%; Score 922.2; DB 2; Length 1696;  
Best Local Similarity 97.8%; Pred. No. 2.1e-261;  
Matches 989; Conservative 0; Mismatches 13; Indels 9; Gaps 5;

QY 121 GCAAGCCATGATTTTCCATGAAATGTGACAGCACCAGAGGACTTATGGAACATCT 180  
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 Db 121 gaaagccatgatattccatgatgaatgacagacccagaggacttatgaaatct 180  
 QY 181 TCAATTTGGGGGGGAGCAATGCTCTGTGTGATTTCTTGACATATGGAACCTACT 240  
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 Db 181 tcaatgtg999g9gagcaatgctctgttgatcttcctgacatcatgaaactact 240  
 QY 241 GCTGACCTTACCATTTATCTGAAAAACCATGACCTGGCAAGGGCTAGAAATTTGTC 300  
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 Db 241 gctgacttaccatattctcgtaaaaacccatgaaactgycaaaggtcgaagatctcgc 300  
 QY 301 GAGACAAATTACACAGATTTAGTTCCTATACAAACAGCGGAAATGATATCTGAGA 360  
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 Db 301 gagaacaatacacagattagtgccatacaaaacaagcggaattgagtatctcgaga 360  
 QY 361 AGACCTGCTCCCTTCAGTGTGTTCTTACTGATGATGGAATCCGGAAGATAGAGAAAT 420  
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 Db 361 agactctgcccctcagctcgtcttactactgatagaatccggaagataagagaatat 420  
 QY 421 GGACGTGGGTGGGAACAACAATCTCTACATGAGAAGCAGAGAACTGGGGAGATGTG 480  
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 Db 421 ggaagctggtggtggaacacaacaatctcactgaaagacgagagactcgggagatggt 480  
 QY 481 AGCCCAACACAGAGAAGACAAGAGACTGCGTGAGATCTATATCAAGAGAAACAAG 540  
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 Db 481 agcccaacaacaagaagaacaagagagactcgtgagatctatacaagaagaacaag 540  
 QY 541 ATGACGGAATGGAAGATGAGCGCTGCGCAAACTAAAGCGACCTCTGTTACAG 600  
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 Db 541 atgcaggaatggaagaaagaaagacgcgcgcacaacaataaagcagccctcgttacaag 600  
 QY 601 CTCTTGCCACCCCTGTGATGATGAGTGCCATGGAATGTGTAATATCAATATAC 660  
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 Db 601 ctcttgccagccctgtgcatacgcagtggtcagtgagaatggtgtaaatcatcaatc 660  
 QY 661 ACACCTGACACTGTGATGTGGGACTATAGGCCCCACAGTGTACGTTGATGATG 720  
 |||||  
 Db 661 acacctgcaactgtgactgtggtgactatagggcccagtgccagcttgatctcagtg 720  
 QY 721 AGCCTTGGAGGGCCGAGAGCTGGGTACCATGAGACTGATACACCCCTTGGAACTCA 780  
 |||||  
 Db 721 agccttggagggcccgagagctgggtacatgagactgtaacaccccttggaaactca 780  
 QY 781 GCTTCAGCTCACAGTGTGCTTTCAGCTGCTGTAAGGAACAACCTTAACTGGATTG 840  
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 Db 781 gcttcagctcacagtggtgcttcagctcgtctgtaagaaacaacttaactggtatgag 840  
 QY 841 AAACCACTGTGACCATTTGGAACGTGTCATCTCCAGAACCAACCTGTCAAGTATTC 900  
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 Db 841 aaacccactgtgagacatttggaaactggtcatctccagaaacccactc----- 890  
 QY 901 AGTGTGAGCCCTATACAGACCATGATTTGGGATCATGAATGATAGCATCCCTGGCCA 960  
 |||||  
 Db 891 agtvtgagccctacacagacagatctgggacatcagaaactgagcatccctcgtgcca 950  
 QY 961 GCTTCACCTTACCTGTGATGTACTCTTCATCTGCTCAGAAAGAACTGAGTAAATGGA 1020  
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 Db 951 gcttcagcttacctcgtacgtacatctcactcgtcagaagagactgagttaattggga 1010  
 QY 1021 AGAAGAAACCATTTTGAATCATCTGGAATCTGGTCAAACTGATCCATATGTCAAA 1080  
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 Db 1011 agaagaaacacatttggatcatctggaatctgltcaaatccagtcacataatgctcaaa 1070  
 QY 1081 AATTGCAAAAGTTTTCATATGATTAAGAGGGTGATTTAAACCCCTCTTCATTCAG 1140  
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 Db 1071 aattggcaaaagcttctcatgataaggaaggtgaltlaaacccctcttcacag 1130  
 QY 1141 TGGCAGTCATGTTACTGATTTCTGCTGGTTGGCATTTATCATTTGGCTGGCAAGAGAT 1200  
 |||||  
 Db 1131 tggcagtcagtggttactgcaatctctcgtggttgcaattatcaattgctgycgaagagat 1190  
 QY 1201 TAAAAAAGGCAAGAAATCCAGAGAGATGATGATGACCATATTTAAATGCCCTTGTG 1260

Db 1191 taaaaaagcaagaatccaaagagatgaatgaaatgaccatataatcgccttgg 1250  
 QY 1261 AAGAAATTTCTTGAATATCTAAAATCATGATCTTTTAAATCTTCCATGAACGTT 1320  
 |||||  
 Db 1251 aaagaaatcttggaaatactaaa----- 1274  
 QY 1321 TTGTGTGGGACCTCTACGTCAACATGAAGTGTTCCTTCAGTGCATCGGGAAG 1380  
 |||||  
 Db 1275 ----- 1274  
 QY 1381 ATTTCACCGACCAACAGTTCTTCAGCTTCATTTGCCCCCTCATTTATCCCTCAACC 1440  
 |||||  
 Db 1275 ----- 1274  
 QY 1441 CCGACCCACAGGTGTTTATACAGCTCAGCTTTTGTCTTTTGAGAGAGAAACAATPA 1500  
 |||||  
 Db 1275 -----agtggttatacagctcagcttcttcttctcgtgagagaacaataa 1324  
 QY 1501 GACCATAGGGGAAGATTCATGTGGAATATTAAGATGCGTACGTTGCTCTTGAC 1560  
 |||||  
 Db 1325 gaccataaggaagagatctcgtgaaataaagaatgycgacttgccttcttgac 1384  
 QY 1561 TCTGTTTTCAGTTCAATTCAGTGTGATCTGATGACACACACTTAAATGAGTGC 1620  
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 Db 1385 tctgttccagttcaactcagtgactgactgactgactgactgactgactgactgactgact 1444  
 QY 1621 AATTTGATATATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1680  
 |||||  
 Db 1445 aaattgataatagatgataatgataatgataatgataatgataatgataatgataat 1504  
 QY 1681 TTCTGTATACGTGTGAGGTATACACTTATATGAAGTTCAAAAGTCTACGCTCCCTTC 1740  
 |||||  
 Db 1505 ttctgtactcgtggtggtgatacctctatgaaaggtcctcagcttctccttc 1564  
 QY 1741 TTCTTAATCCAGTGAAGTAAATGGGGTCTGCTCAAGTGAAGAGTCTTATTTGCACTG 1800  
 |||||  
 Db 1565 ttcttaactcagtgaaatgaaatgaaatgaaatgaaatgaaatgaaatgaaatgaaat 1624  
 QY 1801 TAGCTGCGCGCTGCTGATTTGACCATCTCATTTAATGCTGCTTCA 1846  
 |||||  
 Db 1625 tagctcgcgctcgtgaaatgaaatgaaatgaaatgaaatgaaatgaaatgaaatgaaat 1670

RESULT 7  
 US-08-340-539A-11  
 ; Sequence 11, Application US/08340539A  
 ; Patent No. 5808025  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tedder, Thomas F.  
 ; APPLICANT: Kansas, Geoffrey S.  
 ; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS  
 ; NUMBER OF SEQUENCES: 28  
 ; CORRESPONDENCE ADDRESSES:  
 ; ADDRESSEE: FISH & NEAVE  
 ; STREET: 1251 Avenue of the Americas  
 ; City: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10020  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/340,539A  
 ; FILING DATE: 16-NOV-1994  
 ; CLASSIFICATION: 514  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/008,459  
 ; FILING DATE: 25-JAN-1993



QY	644	AGAAATCATCAATTAATCAACACCTGGCAACTGTATGTGGGGTACTATGGGCCCAACTGTCA	703
Db	607	AGAAATCATCAATTAATTAATACACTGGCAACTGTGTATGGGGGTACTATAGGGGCCCACTGTCA	666
QY	704	GCTGTGATTTAGTGTAGAGCCCTTTGGAGGGCCCCAGAGAGCTGGGAGACCATGAGACTGTACTCA	763
Db	667	GTTTGTGATTTAGTGTAGAGCCCTTTGGAGGGCCCCAGAGAGCTGGGAGACCATGAGACTGTACTCA	726
QY	764	CCCCCTTTGGAACCTTTCAGCTTTCAGCTTCACAGTGTGCTTCAGCTGCTCTGAAGAACAA	823
Db	727	CCCTTTGGGAAACTTCAACTTCAACTCACAGTGTGCTTCAGCTGCTCTGAAGGAAACAA	786
QY	824	CTTAACCTGGATTTAAGAAACCAACCTGTGGACCACTTTGGAACTGGCTCATCTCCAGAAC	883
Db	787	CTTAACCTGGATTTAAGAAACCAACCTGTGGACCACTTTGGAACTGGCTCATCTCCAGAAC	846
QY	884	AACCTGTCAAGTATTCAGTGTAGGACCTCATCAGACCAAGATTTGGGGATCATGAACTG	943
Db	847	AACCTGTCAAGTATTCAGTGTAGGACCTCATCAGACCAAGATTTGGGGATCATGAACTG	906
QY	944	TAGCATTCCCTGGCCAGGCTTCAGCTTTACTCTGATGATGACTTCATATGCTGTCAAGAG	1003
Db	907	TAGCATTCCCTGGCCAGGCTTCAGCTTTACTCTGATGATGACTTCATATGCTGTCAAGAG	966
QY	1004	AACGTAGTTAATTTGGGAAAGAAACCACTTTGTGATCATGTCGAAATGTGCTCAAAATCC	1063
Db	967	AACGTAGTTAATTTGGGAAAGAAACCACTTTGTGATCATGTCGAAATGTGCTCAAAATCC	1028
QY	1064	TAGTCCAAATATGTCAAAAATTTGGACAAAGATTTCTCAATGATTTAAGAGGGTGAATTATA	1123
Db	1027	TAGTCCAAATATGTCAAAAATTTGGACAAAGATTTCTCAATGATTTAAGAGGGTGAATTATA	1086
QY	1124	CCCCCTTCATTCCTCAGTGGAGACATGATGATTCGATTCCTCGGGTTGGCAATTATCAT	1183
Db	1087	CCCCCTTCATTCCTCAGTGGAGACATGATGATTCGATTCCTCGGGTTGGCAATTATCAT	1146
QY	1184	TTGGCTGGCAAGAGATTTAAAAAAGGCAAAATCCAAAGAGAAGTAAATGACCCATA	1243
Db	1147	TTGGCTGGCAAGAGATTTAAAAAAGGCAAAATCCAAAGAGAAGTAAATGACCCATA	1208
QY	1244	TTAAATGCCCTTGTGTGTAAGAAATTTCTGGAATACATAAATCAATGATGCCCTTTAA	1303
Db	1207	TTAAATGCCCTTGTGTGTAAGAAATTTCTGGAATACATAAATCAATGATGCCCTTTAA	1266
QY	1304	TCTCTTCATGAAGGTTTTGTGTGTGGACACTCTACGTCAAAACATGAAGTGTG--TTCC	1363
Db	1267	TCTCTTCATGAAGGTTTTGTGTGTGGACACTCTACGTCAAAACATGAAGTGTGTTC	1328
QY	1363	TTTCACTGCATGTGGGAAGATTTCTACCCGACCAAGCTTCTTCAGCTTCCATTTCCGCC	1422
Db	1327	TTTCACTGCATGTGGGAAGATTTCTACCTGACCAAGCTTCTTCAGCTTCCATTTCCGCC	1386
QY	1423	CTCATTTTTCCTCAACCCCGACGCCACAGTGTTTATACAGCTCAGCTTTTGTCTTTT	1482
Db	1387	CTCATTTTTCCTCAACCCCGACGCCACAGTGTTTATACAGCTCAGCTTTTGTCTTTT	1446
QY	1483	CTGAGAGAGAAACAATTAAGACCAT--AAGGAAAGATTCATGTGAATTAAGAATGCT	1541
Db	1447	CTGAGAGAGAAACAATTAAGACCATTAAGGAAAGATTCATGTGAATTAAGAATGCT	1506
QY	1542	GACATTCGCTTCTTGTAGACCTGTGTTTTCAGTTCAATTCAGTGTACTGTAAGACAG	1601
Db	1507	GACATTCGCTTCTTGTAGACCTGTGTTTTCAGTTCAATTCAGTGTACTGTAAGACAG	1566
QY	1602	ACACTTCAAAATGAAGTCAAAATTTGATACATATGGAATATGGAATCAAGTTTCTTCA	1661
Db	1567	ACACTTCAAAATGAAGTCAAAATTTGATACATATGGAATATGGAATCAAGTTTCTTCA	1628
QY	1662	GATCAAAATTTCACTGCTCTTCTGTGTATACGTGTGGAGAGTACACTTTATGAAAGTTCAA	1722
Db	1627	GATCAAAATTTCACTGCTCTTCTGTGTATAC--GTGGAGGTACACTCTT---ATGAAGTCAA	1680

QY	1722	AAGTCAGGCTCCCTTTCTTTCTTAAGTCAGGAAGTAATGGGCTCCGTCACAGTGA	1781
Db	1681	AAGTCAGGCTCCCTTTCTTTCTTAAGTCAGGAAGTAATGGGCTCCGTCACAGTGA	1740
QY	1782	AAGATCCTATTTCACAGTGAAGCTGGCCCTCTGTAAATGGACATCCTATTTAATCG	1841
Db	1741	AAGATCCTATTTCACAGTGAAGCTGGCCGCTGTGAATGGACATCCTATTTAATCG	1800
QY	1842	CTTAGGCTCCCAAGCTTCTTAAGCACTCTCTTTTCAGTTGGCTGACTTCACAC	1901
Db	1801	CTTCA-GCTCCCAAGCTTCTTAAGCACTCTCTTTTCAGTTGGCTGACTTCACAC	1859
QY	1902	TAGCATCTCATGAGTGGCAAGCAAAAGAGAGAGAAATAGCTCGCGGCTTTTT	1961
Db	1860	TAGCATCTCATGAGTGGCAAGCAAAAGAGAGAAATAGCTCGCGCTTTTT	1919
QY	1962	AGTTGGGGGTTTGGCTTTCCCTTTATAGAGACCATTCTATTCTTATAGTCAATGT	2021
Db	1920	AGTTGGGGGTTTGGCTTTCCCTTTATAGAGACCATTCTATTCTTATAGTCAATGT	1979
QY	2022	TTCCTTTATCAGATATTATTAGTAGAANAACATCACTGAATAATGTCGCAAGTGA	2081
Db	1980	TTCCTTTATCAGATATTATTAGTAGAANAACATCACTGAATAATGTCGCAAGTGA	2039
QY	2082	TCTCTTTATGTCAATATGGAAGATTAAACAGGTGGAGAAATTCCTGATTCACATGA	2141
Db	2040	TCTCTTTATGTCAATATGGAAGATTAAACAGGTGGAGAAATTCCTGATTCACAAAGA	2099
QY	2142	AATGCTCCTCTTCCCTCGCCCGCAGAACTTTATGCACTTAAGCTTACATATTTC	2201
Db	2100	AATGCTCCTCTTCCCTCGCCCGCAGACCTTTATGCACTTAAGCTTACATATTTC	2159
QY	2202	TTTAATTTCATCTCAGGCTCCCTCAACCCAC	2235
Db	2160	TTTAATTTCATCTCAGGCTCCCTCAACCCAC	2193

```

RESULT 6
5514582-1
Patent No. 5514582
APPLICANT: CACON, DANIEL J.; LASKY, LAURENCE A.
TITLE OF INVENTION: RECOMBINANT DNA ENCODING HYBRID
IMMUNOGLOBULINS
NUMBER OF SEQUENCES: 43
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,670
FILING DATE: 21-JAN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 986,931
FILING DATE: 08-DEC-1992
APPLICATION NUMBER: 808,122
FILING DATE: 16-DEC-1991
APPLICATION NUMBER: 440,625
FILING DATE: 22-NOV-1989
APPLICATION NUMBER: 315,015
FILING DATE: 23-FEB-1989
SEQ ID NO:1:
LENGTH: 1829
5514582-1

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Query Match	65.0%	Score 1469.2	DB 6	Length 1829
Best Local Similarity	90.3%	Pred. No. 0		
Matches 1667; Conservative	0	Mismatches 3	Indels 176	Gaps 2

QY 1 GAATTCCAGTGTGCGGGGCTTCCCTACCGGAGGACACACACATCCCTTTGGCAAGGACCT 60

Db 1 gaattccagtgctgcggtctccctaccgcgcgcagcacactcctcttggcaagagcct 60

QY 61 GAGACCCCTTGTCCTAAGTCAGAGAGGCTCTAATGGGCTCCAGAGACATAGAGGAAGACCAA 120

Db 61 gagacctctgtctaaagccaagagagctctcaatgggctctcagaagaagacacagagaagaccac 120



TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION  
NUMBER OF SEQUENCES: 28  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FISH & NEAVE  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10020  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/340,539A  
FILING DATE: 16-NOV-1994  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/008,459  
FILING DATE: 25-JAN-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Gunnison, Jane  
REGISTRATION NUMBER: 38,479  
REFERENCE/DOCKET NUMBER: CG-104 CON  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-596-9000  
TELEFAX: 212-596-9090  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2330 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 53..1207  
US-08-340-539A-1

Query Match 92.4%; Score 2087.6; DB 1; Length 2330;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;

QY 44 CCCTTGGCAAGGACCTGAGCCCTTGTCTAAGTCAAGAGGCTCAATGGCTGCAGAG 103  
DB 7 CCTTGGGCAAGGACCTGAGCCCTTGTCTAAGTCAAGAGGCTCAATGGCTGCAGAG 66  
QY 104 AACTAGAGAGGACCAAGCAAGCAATGATTTCCATGGAATGTCAGAGCAGCAGAG 163  
DB 67 AACTAGAGAGGACCAAGCAAGCAATGATTTCCATGGAATGTCAGAGCAGCAGAG 126  
QY 164 GACCTTATGGAACATCTTCAAGTTGTGGGGTGAGACATGCTCTGTGTGATTTCTGTGC 223  
DB 127 GACCTTATGGAACATCTTCAAGTTGTGGGGTGAGACATGCTCTGTGTGATTTCTGTGC 186  
QY 224 ACATATGGAACCTACTGTGTGACCTTACATATTTCTGAAAAAACCATGAATGGAAG 283  
DB 187 ACATATGGAACCTACTGTGTGACCTTACATATTTCTGAAAAAACCATGAATGGAAG 246  
QY 284 GCGTAGAGATTTCTGCCGAGACATTTACACAGATTTAGTTGCCATTAACAAGGCGGA 343  
DB 247 GCGTAGAGATTTCTGCCGAGACATTTACACAGATTTAGTTGCCATTAACAAGGCGGA 306  
QY 344 AATTAGATTTCTGAGAGACATCTGCGCTTCAAGTGGTTCTTACTAGATAGAAATCGG 403  
DB 307 AATTAGATTTCTGAGAGACATCTGCGCTTCAAGTGGTTCTTACTAGATAGAAATCGG 366  
QY 404 GAAGATAGAGAGATATGAGAGCTGGTGGGAACCAAAATCTCTCAGTGAAGAGCAGA 463  
DB 367 GAAGATAGAGAGATATGAGAGCTGGTGGGAACCAAAATCTCTCAGTGAAGAGCAGA 426

QY 464 GAACCTGGAGATGTGTAGACCCCAACAAGAAGAGAGACTGCGTGAGATCTTA 523  
DB 427 GAACCTGGAGATGTGTAGACCCCAACAAGAAGAGAGACTGCGTGAGATCTTA 486  
QY 524 TATCAAGAGAAACAAGATGACAGGCAATGAGACATGACGCTGCCACAAACTAAAGCC 583  
DB 487 TATCAAGAGAAACAAGATGACAGGCAATGAGACATGACGCTGCCACAAACTAAAGCC 546  
QY 584 AGCCCTCTGTTCACAGCTTTTGGCCAGCCCTGTATGACAGTGGCCATGGAATGTGT 643  
DB 547 AGCCCTCTGTTCACAGCTTTTGGCCAGCCCTGTATGACAGTGGCCATGGAATGTGT 606  
QY 644 AAAAAATCATCAATTAATCACACCTGCAACTGATGTGGGGTACTATGAGCCCAAGTGTCA 703  
DB 607 AAAAAATCATCAATTAATCACACCTGCAACTGATGTGGGGTACTATGAGCCCAAGTGTCA 666  
QY 704 GCTTGTGATTCAGTGTGAGCCTTTTGGAGGCCCAAGAGCTGGGTACCATGACTGTACTCA 763  
DB 667 GTTGTGATTCAGTGTGAGCCTTTTGGAGGCCCAAGAGCTGGGTACCATGACTGTACTCA 726  
QY 764 CCCCTTGGAACTTCAGCTTCAAGTGTGACAGTGTGCTTCACTGCTGTGAAGGAACANA 823  
DB 727 CCCCTTGGAACTTCAGCTTCAAGTGTGACAGTGTGCTTCACTGCTGTGAAGGAACANA 786  
QY 824 CTTAATCGGATTTGAAGAAACCAACCTGTGACACATTTGGAACTGTCTCCAGAACCC 883  
DB 787 CTTAATCGGATTTGAAGAAACCAACCTGTGACACATTTGGAACTGTCTCCAGAACCC 846  
QY 884 AACCTGTCAAGTGTATTCAGTGTGAGCCTTATCAGCAGCAGATTTGGGATCATGACTG 943  
DB 847 AACCTGTCAAGTGTATTCAGTGTGAGCCTTATCAGCAGCAGATTTGGGATCATGACTG 906  
QY 944 TAGCCATCCCTGGCCAGCTTCAAGTGTGACAGTGTGCTTCACTGCTGTGAAGGAAC 1003  
DB 907 TAGCCATCCCTGGCCAGCTTCAAGTGTGACAGTGTGCTTCACTGCTGTGAAGGAAC 966  
QY 1004 AACTAGATTAATTTGGAGAGAGAAACCAATTTGTGATCATCTGGAATGTGTCAAATCC 1063  
DB 967 AACTAGATTAATTTGGAGAGAGAAACCAATTTGTGATCATCTGGAATGTGTCAAATCC 1026  
QY 1064 TAGTCCAAATATGTCAAAAATTTGGACAAAAGTTTCTCAATGATTAAGAGAGGTATTATA 1123  
DB 1027 TAGTCCAAATATGTCAAAAATTTGGACAAAAGTTTCTCAATGATTAAGAGAGGTATTATA 1086  
QY 1124 CCCCCTCTCATTTCAAGTGTGAGCAGTCAATGTTACTGATTTCTGTGGGTTGGCAATATCAT 1183  
DB 1087 CCCCCTCTCATTTCAAGTGTGAGCAGTCAATGTTACTGATTTCTGTGGGTTGGCAATATCAT 1146  
QY 1184 TTGGCTGGCAAGAGATTTAAAAAAGGCAAGAAATCCAGAGAGATGATGATGACCATTA 1243  
DB 1147 TTGGCTGGCAAGAGATTTAAAAAAGGCAAGAAATCCAGAGAGATGATGATGACCATTA 1206  
QY 1244 TTTAATGCGCCTTGGTGAAGAAATTTCTTGAATTAATAAATCATGATGATGATGATGAT 1303  
DB 1207 TTTAATGCGCCTTGGTGAAGAAATTTCTTGAATTAATAAATCATGATGATGATGATGAT 1266  
QY 1304 TCCCTTCATGAAGAGTTTGTGGTGGCAGCTCTCAGTGTCAAAATGATGATGATGATGAT 1362  
DB 1267 TCCCTTCATGAAGAGTTTGTGGTGGCAGCTCTCAGTGTCAAAATGATGATGATGATGAT 1326  
QY 1363 TTTAGTGCATCTGGGAGAGATTTCTACCCGACCAAGATTTCTTCAAGCTTTCCATTTGCGCC 1422  
DB 1327 TTTAGTGCATCTGGGAGAGATTTCTACCCGACCAAGATTTCTTCAAGCTTTCCATTTGCGCC 1386  
QY 1423 TTTCAATTTATCCCTCAACCCCAAGCCCAAGGTTTATACAGCTCAAGCTTTTGTCTTTT 1482  
DB 1387 TTTCAATTTATCCCTCAACCCCAAGCCCAAGGTTTATACAGCTCAAGCTTTTGTCTTTT 1446  
QY 1483 CTGAGAGAGAAACAATTAAGACAT - AAGGGAAGAGATTCATGGAATTAAGAGATGCT 1541  
DB 1447 CTGAGAGAGAAACAATTAAGACATTAAGAGAGATTCATGGAATTAAGAGATGCT 1506  
QY 1542 GACTTTGCTCTTTCTTCACTTGTGTTTCAATTCAGTGTGATGATGACAG 1601

QY	1304	TCCTTCATGAAGACGTTTGTGTGTGTGGCCACCTCTTACGTCAACATGAAGTGTG--TTCC	1361
Db	1267	TCCTTCATGAAGACGTTTGTGTGTGTGGCCACCTCTTACGTCAACATGAAGTGTGTTC	1322
QY	1363	TTTCAGTGCATCTGGGAAGATTTCATACCCGACCAACAGTTCCTCAGTCCATCTTGCC	1422
Db	1327	TTTCAGTGCATCTGGGAAGATTTCATCTGACCAACAGTTCCTCAGTTCATTCACCC	1381
QY	1423	CTCATTTATCCCTCAACCCCAAGCCCAACAGGTGTTTATACAGCTCAGCTTTTGTCTTTT	1483
Db	1387	CTCATTTATCCCTCAACCCCAAGCCCAACAGGTGTTTATACAGCTCAGCTTTTGTCTTTT	1441
QY	1483	CTGAGAGAGAACAAATAAGACCAT--AAGGAAAGAGATTCAATGTGAATATAAGATGCT	1543
Db	1447	CTGAGAGAGAACAAATAAGACCATAAAGGGAAAGAGATTCAATGTGAATATAAGATGCT	1501
QY	1542	GACTTTGCTCTTCTTGACTCTTGTTTCAAGTTTCAATTCAGTGCATGCTGATGATACAG	1601
Db	1507	GACTTTGCTCTTCTTCTTGACTCTTGTTTCAAGTTTCAATTCAGTGCATGCTGATGATACAG	1566
QY	1602	ACACTTCTAAATGAAGTGCAAATTTGATACATATGTGAATATGAGCTCAGTTTCTTGCA	1661
Db	1567	ACACTTCTAAATGAAGTGCAAATTTGATACATATGTGAATATGAGCTCAGTTTCTTGCA	1622
QY	1662	GATCAAAATTTACGTCGCTTCTGTATACGTGTGAGGTACACTCTTAATGAAAATTCAAA	1722
Db	1627	GATCAAAATTTGCGCGCTCTCTCTGTATAC--GTGAGGTATACACTCT-----ATGAAGTCAA	1680
QY	1722	AAGTCTACGCTCTCTCTCTCTTCTTCACTCCAGTGAAGTATGGGGTCTGCTCAAGTTGA	1781
Db	1681	AAGTCTACGCTCTCTCTCTCTCTTCTTCACTCCAGTGAAGTATGGGGTCTGCTCAAGTTGA	1740
QY	1782	AAGAGTCTATTTTGACATGTAGCCTCGCCCTGTGTGAATTTGACCAATCCTATTTAATCG	1841
Db	1741	AAGAGTCTATTTTGACATGTAGCCTCGCCCTGTGTGAATTTGACCAATCCTATTTAATCG	1800
QY	1842	CTTCAGGCTCCCAACCTTCTTACGCACTCTCTTTTCACTAGTTGGCTAGCTTCCACAC	1901
Db	1801	CTTCA--GCCCTCCCAACCTTCTTACGCACTCTCTTTTCACTAGTTGGCTAGCTTCCACAC	1859
QY	1902	TAGCATCTCATGAGTGGCCAGCAAAAAGAGAGAGAAGAAATAGCTCGGGGTTT	1961
Db	1860	TAGCATCTCATGAGTGGCCAGCAAAAAGAGAGAGAAGAAATAGCTCGCTGCTGTTTTT	1919
QY	1962	AGTTTGGGGGTTTGTGCTTCTTCTTATGAGACCCATTCATTTCTTAATGTAATGT	2021
Db	1920	AGTTTGGGGGTTTGTGCTTCTTCTTATGAGACCCATTCATTTCTTAATGTAATGT	1979
QY	2022	TTCTTTTATCACGATATTATTAGTAAGAAAACATCTCAATAGCTAGCTGCAAGTACA	2081
Db	1980	TTCTTTTATCACGATATTATTAGTAAGAAAACATCTCAATAGCTAGCTGCAAGTACA	2039
QY	2082	TCCTTTGATGTCTATGTAGGAAGATTAAAAACAGTSGAAGAAATTCCTGATTCACAATGA	2141
Db	2040	TCCTTTGATGTCTATGTAGGAAGATTAAAAACAGTSGAAGAAATTCCTGATTCACAATGA	2099
QY	2142	AATGCTCTCTTTCCCTGCCCCAGAAACTTTTATCCACTTACCTAGATTCTACATATTTC	2201
Db	2100	AATGCTCTCTCTTTCCCTGCCCCAGAACTTTTATCCACTTACCTAGATTCTACATATTTC	2159
QY	2202	TTTAATTTTATCTCAGAGGCTCCCTCAACCCAC	2235
Db	2160	TTTAATTTTATCTCAGAGGCTCCCTCAACCCAC	2193
RESULT 4			
US-08-340-539A-1			
: Sequence 1, Application US/08340539A			
: Patent No. 5808025			
: GENERAL INFORMATION:			
: APPLICANT: Tedder, Thomas F.			
: APPLICANT: Kansas, Geoffrey S			

QY	1124	CCCTCTCTCATTCACAGTGGCACTCAATGGTTACTGATCTCTCTGGGTGGCATTTATTCAT	1183
Db	1087	CCCCCTCTTATTCACATGGCACTCAATGGTTACTGATCTCTCTGGGTGGCATTTATTCAT	1146
QY	1184	TTGGCTCGCAAGAGATTATAAAAAAGCAAGAAATCCAAAGAAATGATGATGACCCATA	1243
Db	1147	TTGGCTCGCAAGAGATTATAAAAAAGCAAGAAATCCAAAGAAATGATGATGACCCATA	1206
QY	1244	TTAAATGCCCCCTGGTGAAAGAAAATTCCTGGATATCTAAAAATCATGAGATCCCTTAAA	1303
Db	1207	TTAAATGCCCCCTGGTGAAAGAAAATTCCTGGATATCTAAAAATCATGAGATCCCTTAAA	1266
QY	1304	TCCTTCATGAAGAGTTTGTGTGTGGGCACTCCTTACTGCAAAATGAAGTGTG - TTCC	1352
Db	1267	TCCTTCATGAAGAGTTTGTGTGTGGGCACTCCTTACTGCAAAATGAAGTGTGTGTTCC	1326
QY	1363	TTTCAGTCATCTGGGAAGATTTCTACCCGACCAACAGTTTCCCTTCAGCTTCCATTTCCGCC	1422
Db	1327	TTTCAGTCATCTGGGAAGATTTCTACTCTGACCAACAGTTTCCCTTCAGCTTCCATTTCCACC	1386
QY	1423	CTCATTTATCCCTTCACCCCCCAGCCACAGGTTTATACAGCTCAGCTTTTGTCTTTT	1482
Db	1387	CTCATTTATCCCTTCACCCCCCAGCGGTATTATACAGCTCAGCTTTTGTCTTTT	1446
QY	1483	CTGAGGAGAAACAATTAAGACCT - AAGGGAAGAGATTCATGTGAATATATAAGATGCT	1541
Db	1447	CTGAGGAGAAACAATTAAGACCTATAAAGGGAAGATTCATGTGAATATATAAGATGCT	1506
QY	1542	GACTTCCTCTTCTTACACCTGTTTTCAGTTCAATTCAGTGTGATCTGATGATGACAG	1601
Db	1507	GACTTCCTCTTCTTACACCTGTGTTTTCAGTTCAATTCAGTGTGATCTGATGATGACAG	1566
QY	1602	ACACTTCTAAATGAAGTGCAAATTTTATGATCATATGGAATATGAGCACTAGTTTTCTTGCA	1661
Db	1567	ACACTTCTAAATGAAGTGCAAATTTTATGATCATATGGAATATGAGCACTAGTTTTCTTGCA	1626
QY	1662	GATCAAAATTTACAGTCTCTTCTGTATCTGTGGAGGATACACTCTTAATGAAGTTCAA	1721
Db	1627	GATCAAAATTTACAGTCTCTTCTGTATCTGTGGAGGATACACTCTTAATGAAGTTCAA	1680
QY	1722	AAGTCATGCGTCCTCTTCTTCTTAACTCAGGAAGTATGGGGTCCGTGCTCAAGTTGA	1781
Db	1681	AAGTCATGCGTCCTCTTCTTCTTAACTCAGGAAGTATGGGGTCCGTGCTCAAGTTGA	1740
QY	1782	AAGAGTCCTATTTGGCACTGTAGCCTGCGCGTGTGGAATTTGAGCATCTTAATTAACGTG	1841
Db	1741	AAGAGTCCTATTTGGCACTGTAGCCTGCGCGTGTGGAATTTGAGCATCTTAATTAACGTG	1800
QY	1842	CTTCAGGCGCTCCCACTCTTCTTACGCGCACCTCTCTTTTCAAGTTGGTACCTTCACACC	1901
Db	1801	CTTCGA - GCGTCGCCACCTCTTCTTACGCGCACCTCTCTTTTCAAGTTGGTACCTTCACACC	1859
QY	1902	TAGATCTCATGAGTGGCAAGAAAGAGAGAAAGAGAAATTAACCTGCCCGGTTTTT	1961
Db	1860	TAGATCTCATGAGTGGCAAGAAAGAGAGAGAAAGAGAAATTAACCTGCCCGGTTTTT	1919
QY	1962	AGTTTGGGGGTTTGGCTGCTTCTTTTATGAGACCATTCCTAATTTCTTAATAGCAATGT	2021
Db	1920	AGTTTGGGGGTTTGGCTGCTTCTTTTATGAGACCATTCCTAATTTCTTAATAGCAATGT	1979
QY	2022	TTCTTTTATCAGCATTTATTTAGTAAGAAAACATCAGTGAATGCTAGCTGCAAGTGACA	2081
Db	1980	TTCTTTTATCAGCATTTATTTAGTAAGAAAACATCAGTGAATGCTAGCTGCAAGTGACA	2039
QY	2082	TCCTCTTGATGTCAATNGAAAGTTAAAAACAGGTGGAGAAATTCCTTGATTCCAAATGA	2141
Db	2040	TCCTCTTGATGTCAATNGAAAGTTAAAAACAGGTGGAGAAATTCCTTGATTCCAAATGA	2099
QY	2142	AATGCTCTCCCTTCCCTGCCCCCAGAACCTTTTATCACAATTACTAGATTTCCATATATTC	2201
Db	2100	AATGCTCTCTTCCCTGCCCCCAGAACCTTTTATCACAATTACTAGATTTCCATATATTC	2159
QY	2202	TTTAAATTTGATCTCAGGCGCTCCCTTCACCCGAC	2235

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Db      2160 TTTAATTTCATCTCAGGCTCCCTCACCAC 2193
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RESULT      3
US-08-215-366A-1
; Sequence 1, Application US/08215366A
; Patent No. 5776775
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F. and Olivier G. Spertini
; TITLE OF INVENTION: MONOCLONAL ANTIBODY TO LYMPHOCTYTE-ASSOCIATED
; TITLE OF INVENTION: CELL SURFACE PROTEIN
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WHITE & CASE
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/215,366A
; FILING DATE: 21-MAR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/720,602
; FILING DATE: 25-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/313,109
; FILING DATE: 21-FEB-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Neils T. Lipfert
; REGISTRATION NUMBER: 25,888
; REFERENCE/DOCKET NUMBER: 1110684-0005
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 819-8582
; TELEFAX: (212) 354-8113
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2330 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 53..1210
; US-08-215-366A-1

Query Match      92.4%; Score 2087.6; DB 1; Length 2330;
Best Local Similarity 98.5%; Pred. No. 0;
Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;

Db      104 AACTAGAGAGGAGCACAAGCAAGCAGCATGATATTTCCATGGAATGTCAGACGACCCAGAG 163
|||||
Db      67 AACTAGAGAGAGGAGCACAAGCAAGCAGCATGATATTTCCATGGAATGTCAGACGACCCAGAG 126
|||||
QY      164 GGACCTTATGGAACATCTTCAAGTGTGGGGGTGGAACAATGCTCTGTGTGATTTCCCTGGC 223
|||||
Db      127 GGACCTTATGGAACATCTTCAAGTGTGGGGGTGGAACAATGCTCTGTGTGATTTCCCTGGC 186
|||||

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QY 2101 AAGAGTTAAACAGGTGAGAAATTCCTTGATTCACAAATGAATGCTCTCCCTTCCCTG 2160  
DB 2101 AAGAGTTAAACAGGTGAGAAATTCCTTGATTCACAAATGAATGCTCTCCCTTCCCTG 2160  
QY 2161 CCCCCAGACTTTTATCCACTTACCTAGATTCATATCTTTTAAATTCATCTCAGGC 2220  
DB 2161 CCCCCAGACTTTTATCCACTTACCTAGATTCATATCTTTTAAATTCATCTCAGGC 2220  
QY 2221 CTCCTCAACCCGACGGGGCGCCGACACTGGAATTC 2259  
DB 2221 CTCCTCAACCCGACGGGGCGCCGACACTGGAATTC 2259

RESULT 2  
US-08-481-803-1  
Sequence 1, Application US/08481803  
Patent No. 5679346  
GENERAL INFORMATION:  
APPLICANT: Tedder, Thomas F. and Olivier G. Sperlini  
TITLE OF INVENTION: MONOCLONAL ANTIBODY TO LYMPHOCYTE-ASSOCIATED CELL  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FISH & NEAVE  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10020  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/481,803  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/215,366  
FILING DATE: 21-MAR-1994  
APPLICATION NUMBER: US 07/720,602  
FILING DATE: 25-JUN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/313,109  
FILING DATE: 21-FEB-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: James F. Hailey, Jr.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: CG-101 CON  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 596-9000  
TELEFAX: (212) 596-9090  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2330 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 53..1210  
US-08-481-803-1

Query Match 92.4%; Score 2087.6; DB 1; Length 2330;  
Best Local Similarity 98.5%; Pred. No. 0;  
Matches 2161; Conservative 0; Mismatches 24; Indels 9; Gaps 5;

QY 44 CCGTTTGCAAGACCTGAGACCTTGTCAGTAAAGAGAGGCTCAATGGGCTGCAGAG 103  
DB 7 CCGTTTGCAAGACCTGAGACCTTGTCAGTAAAGAGGCTCAATGGGCTGCAGAG 66  
QY 104 AACTAGAGAGGAGCCAAAGCAAGCATGATATTTCCATGGAATGTGACAGACCCAGAG 163  
DB 67 AACTAGAGAGGAGCCAAAGCAAGCATGATATTTCCATGGAATGTGACAGACCCAGAG 126  
QY 164 GGACTTATGGAACATCTTCAAGTTGTGGGGGTGACAAATGCTGTGTGATTTCTGGC 223  
DB 127 GGACTTATGGAACATCTTCAAGTTGTGGGGGTGACAAATGCTGTGTGATTTCTGGC 186  
QY 224 ACATCATGGAACCTACTGCTGACTTACATTTATTTGAAAAACCATGAACTGGGCAAG 283  
DB 187 ACATCATGGAACCTACTGCTGACTTACATTTATTTGAAAAACCATGAACTGGGCAAG 246  
QY 284 GGCTAGAGAGATTCTGCCGAGACAATTTACAGAGATTTAGTTGCCATACAAAACAGCGGA 343  
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QY 344 AATTGAGTATGTGAGAAAGACTCTGCCCTTCAGTCGTTCTTACTGATAGGAATCCG 403  
DB 307 AATTGAGTATGTGAGAAAGACTCTGCCCTTCAGTCGTTCTTACTGATAGGAATCCG 366  
QY 404 GAAGATAGGAGGATATGAGACGTGGGGGGAACCAAAATCTCTCACTGAAGAGAGA 463  
DB 367 GAAGATAGGAGGATATGAGACGTGGGGGGAACCAAAATCTCTCACTGAAGAGAGA 426  
QY 464 GAAGTGGGAGATGTGAGGCCCAACAACAAGAAAGAGAGACTGCTGAGATCTA 523  
DB 427 GAAGTGGGAGATGTGAGGCCCAACAACAAGAAAGAGAGACTGCTGAGATCTA 486  
QY 524 TATCAAGAGAAACAAAGATGACAGCAATGAAAGATGACGCTGCCCAACTAAAGGC 583  
DB 487 TATCAAGAGAAACAAAGATGACAGCAATGAAAGATGACGCTGCCCAACTAAAGGC 546  
QY 584 AGCCCTGTTTACACACCTTCTGGCCGAGCCCTGCTCATGAGAGGCAATGAAATGTG 643  
DB 547 AGCCCTGTTTACACACCTTCTGGCCGAGCCCTGCTCATGAGAGGCAATGAAATGTG 606  
QY 644 AGAATCATCAATTAATCACACCTGCACTGATGATGGGGTACTATAGGGCCCAAGTCA 703  
DB 607 AGAATCATCAATTAATTAACCTGCACTGATGATGGGGTACTATAGGGCCCAAGTCA 666  
QY 704 GCTTGTATTCAGTGTGAGCCTTTGGAAGGCCCAAGAGCTGGTACCATGAGACTGTACTA 763  
DB 667 GCTTGTATTCAGTGTGAGCCTTTGGAAGGCCCAAGAGCTGGTACCATGAGACTGTACTA 726  
QY 764 CCCCTTGGAAACTTCAGCTTCAAGCTCACAGTGTGCTTCAGCTGCTGGAAGAACAA 823  
DB 727 CCCCTTGGAAACTTCAGCTTCAAGCTCACAGTGTGCTTCAGCTGCTGGAAGAACAA 786  
QY 824 CTTAAGTGGATTAAGAAACCACTGTGAGCATTGTGAAATGAGTCTCCAGAAC 883  
DB 787 CTTAAGTGGATTAAGAAACCACTGTGAGCATTGTGAAATGAGTCTCCAGAAC 846  
QY 884 AACCTGTCAAGTATTCAGTGTGAGCCTCTATATGACACAGATTTGGGATCATGACTG 943  
DB 847 AACCTGTCAAGTATTCAGTGTGAGCCTCTATATGACACAGATTTGGGATCATGACTG 906  
QY 944 TAGCCATCCCTGCGCAGCTTCAGCTTACCTGCTGATGATGATTCATGCTGCAAGAG 1003  
DB 907 TAGCCATCCCTGCGCAGCTTCAGCTTACCTGCTGATGATGATTCATGCTGCAAGAG 966  
QY 1004 AACTGAGTTAATTGGAGAGAAACCAATTTGTGATCATGCTGAATGTGCTCAATTC 1063  
DB 967 AACTGAGTTAATTGGAGAGAAACCAATTTGTGATCATGCTGAATGTGCTCAATTC 1026  
QY 1064 TAGTCAATATGTCAAAAATTTGACAAAAGTTTCTCAATGATTAAGAGAGGTGATTATA 1123  
DB 1027 TAGTCAATATGTCAAAAATTTGACAAAAGTTTCTCAATGATTAAGAGAGGTGATTATA 1086





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OM nucleic - nucleic search, using sw model

Run on: September 4, 2002, 08:34:27 ; Search time 59.53 Seconds  
(without alignments)  
9321.117 Million cell updates/sec

Title: US-09-119-209-1

Perfect score: 2259  
Sequence: 1 GAATTCACAGTGTGCTGGCCTT.....CCGCCACGACACTGGAATTC 2259

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents\_NA:\*  
1: /cgn2\_6/prodata/2/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/prodata/2/ina/6A\_COMB.seq:\*  
3: /cgn2\_6/prodata/2/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/prodata/2/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/prodata/2/ina/PCPUS\_COMB.seq:\*  
6: /cgn2\_6/prodata/2/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed.  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2259	100.0	2259	2 US-08-513-278-1	Sequence 1, Appli
2	2087.6	92.4	2330	1 US-08-481-803-1	Sequence 1, Appli
3	2087.6	92.4	2330	1 US-08-215-366A-1	Sequence 1, Appli
4	2087.6	92.4	2330	1 US-08-340-539A-1	Sequence 1, Appli
5	2087.6	92.4	2330	2 US-08-461-592B-1	Sequence 1, Appli
6	1469.2	65.0	1829	6 5514582-1	Patent No. 5514582
7	922.2	40.8	1696	1 US-08-340-539A-11	Sequence 11, Appli
8	922.2	40.8	1696	2 US-08-461-592B-11	Sequence 11, Appli
9	856.8	37.9	2214	6 5514582-3	Patent No. 5514582
10	856.8	37.9	2214	6 5514582-3	Patent No. 5514582
11	385.2	17.1	531	2 US-08-340-539A-5	Sequence 5, Appli
12	385.2	17.1	531	2 US-08-461-592B-5	Sequence 5, Appli
13	310	13.7	1833	1 US-08-365-470-2	Sequence 2, Appli
14	310	13.7	1834	3 US-09-209-668-18	Sequence 18, Appli
15	310	13.7	3854	1 US-08-365-470-1	Sequence 1, Appli
16	310	13.7	3858	4 US-08-344-155C-98	Sequence 98, Appli
17	310	13.7	3858	4 US-09-009-490A-88	Sequence 88, Appli
18	310	13.7	3863	4 US-08-482-073-1	Sequence 1, Appli
19	310	13.7	3863	6 5217870-1	Patent No. 5217870
20	294.8	13.1	3142	1 US-08-110-158-3	Sequence 3, Appli
21	294.8	13.1	3144	5 PCT-US91-05059-1	Sequence 1, Appli
22	240.2	10.6	2989	6 5378464-1	Patent No. 5378464
23	223.4	9.9	1592	2 US-08-252-493C-1	Sequence 1, Appli
24	223.4	9.9	1592	3 US-08-276-197-1	Sequence 1, Appli
25	189.4	8.4	451	1 US-08-340-539A-8	Sequence 8, Appli
26	189.4	8.4	451	2 US-08-461-592B-8	Sequence 8, Appli
27	183.8	8.1	712	1 US-08-340-539A-7	Sequence 7, Appli

28	183.8	8.1	712	2 US-08-461-592B-7	Sequence 7, Appli
29	131.2	5.8	544	1 US-08-340-539A-9	Sequence 9, Appli
30	131.2	5.8	544	2 US-08-461-592B-9	Sequence 9, Appli
31	107.2	4.7	832	1 US-08-340-539A-6	Sequence 6, Appli
32	107.2	4.7	832	2 US-08-461-592B-6	Sequence 6, Appli
33	96.4	4.3	1192	1 US-08-340-539A-3	Sequence 3, Appli
34	96.4	4.3	1192	2 US-08-461-592B-3	Sequence 3, Appli
35	84.2	3.7	363	1 US-08-340-539A-4	Sequence 4, Appli
36	84.2	3.7	363	2 US-08-461-592B-4	Sequence 4, Appli
37	57.6	2.5	7218	1 US-08-232-463-14	Sequence 14, Appli
38	47.4	2.1	7218	1 US-08-232-463-14	Sequence 14, Appli
39	41.6	1.8	289	4 US-09-007-005-17	Sequence 17, Appli
40	41.6	1.8	289	4 US-09-244-796-17	Sequence 17, Appli
41	37	1.6	1430	1 US-08-276-452A-25	Sequence 25, Appli
42	37	1.6	1430	1 US-08-798-744-25	Sequence 25, Appli
43	37	1.6	5852	1 US-07-867-106-2	Sequence 2, Appli
44	35.8	1.6	1179	2 US-08-465-794-4	Sequence 4, Appli
45	35.8	1.6	1179	3 US-09-049-813-4	Sequence 4, Appli

#### ALIGNMENTS

RESULT 1  
US-08-513-278-1  
Sequence 1, Application US/08513278  
Patent No. 5840844  
GENERAL INFORMATION:  
APPLICANT: LASKY, LAURENCE A.  
APPLICANT: STACHELL, SCOTT E.  
APPLICANT: ROSEN, STEVEN D.  
APPLICANT: SINGER, MARK S.  
APPLICANT: YEDNOCK, TED A.  
TITLE OF INVENTION: LYMPHOCYTE HOMING RECEPTORS  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patlin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/513,278  
FILING DATE: 10-AUG-1995  
CLASSIFICATION: 5530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/059027  
FILING DATE: 06-MAY-1993  
APPLICATION NUMBER: 07/786149  
FILING DATE: 31-OCT-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/315015  
FILING DATE: 23-FEB-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: Dreger, Ginger R.  
REGISTRATION NUMBER: 33,055  
REFERENCE/DOCKET NUMBER: 565D1C1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-3216  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2259 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear